

gaccctttct tgatctaggt accagttttc cttcattgac atgataataa gcattgcagc 180
 caaatactct taggtttgag tagtttgctg ttttgcaatt ccagatttca ataggagttt 240
 taagtcctat agcagtaaag ggcgttctat tgatcagaaa acaagttgta ttgatagctt 300
 ctccccaaaa acttctgttg agaccaacat tataacaatag acatcttggt cttaccagga 360
 gtgttctggt cattc 375

<210> 25104
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25104

ntataagtgc gggttcggga gacaaaggtc aagcgttcgc gatatgcgaa gatgatattc 60
 cgagtacttt ggatttggtg cgaccatgcc ctctgattt ccagctggga aattggcgag 120
 tggaggaacg ccccggcatt tacgcaacaa gcataatgta aacctttacg gttttaaaag 180
 ctctatagtt gggcctaggc tttagagttt tcattttggt aaggctttgt gtcttttggt 240
 tttgaattta taatacaagg atctttcttc atctgttctt ggtctctacc cattctcatt 300
 catttgcatg tttacttctt tttctgaaac ggcagatccg atgacgagtc ccccgaaagg 360
 actaatacct gggacccgct tatcgacttc gagcaagaaa tgaatcaaac ggaagatg 418

<210> 25105
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 25105

agtttgcatg tccgatgcag cagtaatgat ggcccgagtg atggtgggga gtggttacga 60
 gcccggaata ggtttaggca aggacaacgg cggcataact agcctgagaa acgccaaagg 120
 aaatcgtggg aagtatgggt taggctataa acccaactcag gcagatataa agagaagcat 180
 tgcgaaaagg aaaagcgaaa gtcaagggtc gcggttgaga caagaaggcg aaggaatccc 240
 accctgtcac ataagtagga gctttataag cgcggttcta ggggacgaag gtcaagttgt 300
 tgcaatatac aaagatgatg ttccgagtgc attgaatttg gtacgaccgt gccttctga 360
 tttccgacta ggaaattg 378

<210> 25106
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25106

tcacactgct gtgtagattn taaatctaag attgacagtt gcattgagtt tgacataaag 60
 aaaagaaaag aaaagaagaa aacattcctt tagcttaatt gtactgaaaa actacttgtg 120
 cataatcata ttcattcttt tcaacataag ctcatgtctt caaaatttgg gtaaatttgt 180
 attgaaaata ttttttatga taggaatatt actttctatc atacataatt acaaattgtg 240
 tactgaggag aacatattat gaatgtttta gattattcta ttgatcgaaa gtaaatttgg 300
 aatttgacaa ttttatagga atcaaaaaat cttactaagc tgacctctgc atataaattt 360
 atcaacatag ttggcttgca tgcttttcaa tgatttgaat acgccttaat agct 414

<210> 25107
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25107

agttggggca tagaggtaga ccctgcaaaa atagctgtta tttcacaatt gccttacctc 60
 tcttgogtgt gagaggttcg ttcttttctt ggatcatgcac ggttttatag gagctttacc 120
 aaggatttta gcaaagtggc cttccacta tccaatctgt tgcaaaagga ggtggagttt 180
 gattttgatg accggtgcaa agaggctttt gattgcctca agcgtgcggt gactaccacc 240
 cctatcattc aggcacctga ttggacagcc ccatttgagc taatgtgcga tgcacccaat 300
 tacgcattgg gggctatcct tgctctanag attgataagc tacctcagga gatctactac 360
 gcttccagaa ctttgg 376

<210> 25108
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 25108

tattggatta tggggcacc gtcatatgtg gtactaggtg gcgatcgggc gatggcgcaa 60
atgaactctc ccatttccac aagtcaaaca taaacacacc atccccagtt gccacacctt 120
aaattaagct cacgcactcc tacgtagccc ttatcctcgt tcctctcagc accgggtccc 180
catcaacccc tccaagcttc cacaatatcc aaacaattcg atttcatttg tcatgaaact 240
accctaaacc aagaaaatag agtggaggca gaaaactctg cacaaaattc attccaattc 300
cacagttttc cctactcaca taccacagta acattctctt tgtttcgatt cgtaaacat 360
tggatcgct tgaaaatttt actggagggt cctagtagat aaatatacat tntgacc 417

<210> 25109

<211> 376

<212> DNA

<213> Glycine max

<400> 25109

ttgcatgcat ttttctaac ctacacaaag tgtaagaact atgaacacct taaaaatctg 60
ttgtttaacg ttaaaactaa gaattttttt tttctcaact aattttgttc ccattttggt 120
ggaacttgct accttgcaa ttgaaatgaa atttgctttg attgtagtga ttttgctttg 180
aactaccta gtggtacgat tccaaaggag tggggttcaa caaaactaac taatatgtaa 240
gttcttatca attaattgaa agttttcatc tagttacttg ctttttgat taaatacgg 300
tgctatactg tgcagctctc tatttggtta tcgtatattt ggggaaattc ctaaggagtt 360
gggaagtatt accact 376

<210> 25110

<211> 414

<212> DNA

<213> Glycine max

<400> 25110

tgtagaagtt actgtcatct gtcagaaaac cattatttgg ctttggaat aatacaatct 60
ctttgggaat ctgttgttgt aatgattgaa aaagagacct ggccaacttg gatgctccag 120
gacttttgct tatgtcttca actgcaccaa agacattggt caatagggtta taggaatct 180
atggccattg ttgtaaacct aacactatgc agccagatac atgttctcat attctttgac 240

tctctccct ccccatcttc tctctttatc agatttgcaa aaagattaaa ttattctttt 300
 ccttcattga tgattcctca tctctctgct acgcctttta tcagcaaatt attattatct 360
 aaccttacat aaaaagataa attggcagat tgccaaacaa ccagaaacac tgag 414

<210> 25111
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 25111

tttttttact ttattttttc ccaatactta caaaaatata atcttatttt ttacctcat 60
 gtcattgatt gaacaatgtg tattgtctaca aagtactgat acttttagttt gcttcttaca 120
 tctatatctg ataccaatat attgatatat taatttcact ggtacatata tgtgaagtga 180
 ccaattcttt aaaaaaaaaat tatgataatc aaatatagtg acatgtaaca tagaagtaag 240
 tataatatag aaatatataaa agtattgttt cttgatgaac caaatatgaa aattgttttg 300
 ttatatacgt atttcaagac agatatgaga ttgatcattg atagtaccat tcttatatgt 360
 gatcaatcgc aaa 373

<210> 25112
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25112

tggtgggtag aagtaactac tgttctgttt tgtgttatta tatgtattag atacaaagca 60
 tttcaactgc tctaagaatg aacatcagac tttcacttct tctcttttga gtgtattttt 120
 attatttcta attttgtgaa tctcttgtgc caacattatc cttctacaaa cttaagttga 180
 atcttttagcc aatgaatttt caaaagctaa gtcttatttg taagtttcat gtattctgca 240
 aatggaatga aattgtatat gaagtttcaa attgtatggt ttaattatat taataacccc 300
 ttaaaaaaaaa gatgatattg gttatgctga aacattttta actatttggt atgctgactt 360
 cgatggaaga ctccacattc taaattgatc tcattntata gaggtgtggt atctataa 418

<210> 25113
 <211> 347

<212> DNA
<213> Glycine max

<400> 25113

tctgctagtt tacggggcca catactatct accttgatag gaagcccaac attgtgcgtg 60
aaagactcat caatattttc atcattctca gtcttgccag aagggtttt gacatcagtt 120
tccaccctcc tctgcttggc cttgctcttc tgggatctca acgtgcgctt gctggtcagt 180
ccagtgcgac tatcctttct atcacaattg gctgtgcccc acaagggtcac agttgggttca 240
gaacctttta atgggttgga gcattccttt tccgctgcta ttgttgcagc cttatatgcc 300
agatcatgga caatggagct gcaaaacagg atcgtatcgg ttgtctc 347

<210> 25114
<211> 409
<212> DNA
<213> Glycine max

<400> 25114

ttgttatgat taacatttca tcgatgaatt attttgtgac tgtcaggcat tatcttttgt 60
tgcattgcaga catcttatat ctttcacgca cacaaaaaat tgtaacaaat catatttgtt 120
tggcagaagt ggggccgaag aaaatactag atctgatgaa tgtcccatgg ctgactagag 180
agaacgttgc tagccacttg cagggtgatgc tataatttca cacctgaatg ttatctttca 240
ttcaaagtag catctagttt ttaatatctt atactgtatg catgattaca tctcatttat 300
atccccgtgt ggtagactta caatcacaa aaagcttcac tgtaatacaa taggggtgtaa 360
gtggtaacct ccataccatt ggtcctgtac aaatgtttct cagaaacat 409

<210> 25115
<211> 379
<212> DNA
<213> Glycine max

<400> 25115

agcttcactc tgctcttctt ttacttcac attagttata gtctatattg ttttatgtat 60
acgtgcattg tgagctacct caaacttcta aattatgatc aattcacacg tgcgttatat 120
cattctgatt ataagcacia cctacaattc cctccaaaat tttgtcacia gaaagcatt 180
gtaagtttat aaatcttgcc tgcccacgag gtttagattg cttctttgcc caagtatgat 240

taggctgata tgcccgcatt gctctgtctc tatctctggt gccttccatg gattgctggt 300
 ttatgtttgc ggaccccagt aacacatatt catcatccac tatcattcct tttgaatgaa 360
 cataaatcat gaatctccg 379

<210> 25116
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 25116
 tgatatgtaa ttatgtcttt tcaggaatga cctttatctg ttagacaatt ggcggcaatt 60
 tgaattctaa ggttaaactc gctgtgatga agggttcaac actaatgaaa cctactgcta 120
 gtcttttggc taagcaaaat cggcccatc caattgttag ctcaagggtga tcatcggaga 180
 aacttgttct ttgtcatggt tcaaggcatg aattattagt gaaaatcaaa cagtcttgca 240
 acacttgatt agttggcaaa cattttttga attgaatcat gtcactgcat tctaccataa 300
 gatattctgtt tgctcggcat ggtgcattga tttaaatgct ttctttcttg gatggttact 360
 ctgttcttta tgaaatcgtg aattcttatt aagtaggatt gccggagtat tactgcattt 420
 att 423

<210> 25117
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 25117
 agtttgtgta tataggcttt aatttactgc taatttggct ttgttttttt tgaaacaaga 60
 acaagtggag gaggagaaac atatatacat atcctttaaa aatggttacc atgcttgtca 120
 aaaatacata tccttcatac acactacatt ttgtcaaatt ataacctgac catacaccat 180
 tttttgagaa agcaacttga ggctattgtg gttcaagtgc cctagtattt tgcattgtgcc 240
 acattcaaac agtcgttaaa ttcttttttt tgatcatcaac atgaattttt tctcataatt 300
 aaaggataga ggaaatctca tggcttttga tattgttgcc atagtaattc atttcaacaa 360
 ggattgctgt tagggatag 379

<210> 25118
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 25118

tggccataac tgtcaaacaa attcaatagg ttgtacatat ttctcttagt acctctgcag 60
 aaaatcagaa tgtcatcagc ataaagcgag tgcaaaggag tattgaaaga tttcagactg 120
 gacatcagat gagaacctta gattgaatca gttgagcagt gcccctgctg agaacctcct 180
 ctgccaaagca aaaaagaaaa ggggataaag ggtcgccttg tcgcacaccc gagatagacc 240
 cattgataga gaaagaaagt ctcagaatcc aggattgttt ttattcagca acaaaaggta 300
 gtgctgaagc cgaaggaatg aagaacttgg agaaggaatt gtcagtccaa cgagccaaaa 360
 gcttttttga tatcaatttt tagggcaatg tttcctccaa aagatttgca ttgcagcaaa 420
 tta 423

<210> 25119
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 25119

agctttggac aaggtacttt accaagaatg tgaaagtggg aataatagca acaatgtgtt 60
 gagttggaat catagggtaa acattgctgt tggtttggct tctgtgttga gttatttgca 120
 ccaagagtgt gagcaaaggg tgattcacag ggacattaag actggtaaca tattgctaga 180
 tgggagcatg aaccaaggt tgggtgattt tggtttggca aagcttatgg atcatgacaa 240
 gagtctgtt tcaacactaa ctgcaggac aatgggggtac ttagctcctg agtatcttca 300
 gtgtggaatg gcaaagaga agactgatgt gttcagctat ggtgtggtgg ttcttgaggt 360
 ggcttgtgga a 371

<210> 25120
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 25120

tcgcaaagt acttggttgt tgcccagttt catcatatct tccgtaatac ttatcacctc 60

tatcatatct aataattttc acatttatgt ctaattgtca ttttacttca ttgtagtaaa 120
 tttctaagga atccattttcc taagaaatct cgggcaataa atagacataa ccgtaacgtg 180
 aataatcatc aataatgggtg ataaagtatc attccttttt gaaagaacta acaccaaaaag 240
 gtccacaaat atcagtatgc acaatttcaa gaagttgagt gcttcttgta gctcttttct 300
 ttgtatgttt tgcttggttt tcccttaata caaccacac aaatatttag atccgtaaaa 360
 tctagataag gaagaatttc attcctttatt aatctttcca tcctttctct aaaaatg 417

<210> 25121
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 25121

cgtttattgt ttccttctc ttcttcagat tgactggatc tgttatgcgc aattaacaag 60
 cctggattca aaagccacca atttgcatag tgatctccat catactcaca tcacaatgga 120
 aaccaagaca ttcggccaac gcagcaccgg tacacttate tgtgcagaca gactcatgac 180
 atgtcagacc cagagttagc gactgactat acttaacgcc taaaaactgt caggtagaga 240
 ttacaactta atctaagctc actagctcgc caacacaaac gaagtgtgcy ctcaaccgat 300
 agcctttcta ctcaaaata tagaagcaat tcgtgcactt aacatcctat aagaaagtga 360
 catggagaaa ctaaccac 378

<210> 25122
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 25122

tgcgagctat taggttagtc atattctaac tagttcctcc tatcacggtt tgttacgctt 60
 agtatgataa taatgggttg aactagacgc ttcaattctt tgattcgtgg catatagtat 120
 tggttaatag cttagcatgc tggagtgtga ttttcttate tcgaaattat gataatgcc 180
 aggacttcag aatgggtgatt atgtattcta taagatttgg gtttctaatt gaagtaattc 240
 tgaatgattt atagcttaac tctctttgaa tttattgggtt atgttattat gtattaattg 300
 atgtattgac tcgtaagaag agtaaactcy tttctcgtgg caagatgtta ttagaaagtt 360

tttctttggtt tttgtttttt ttccataatc gtcttgcagc caaaaacaat tgtca 415

<210> 25123
<211> 379
<212> DNA
<213> Glycine max

<400> 25123

agttttgaac aatattcttg tctttcattt aactgtcttt gggcttggcg gccacactca 60
acaaagtact ttcgacacct actgtacggt gatttgacca atgctgttat gggaatgttg 120
caacaatcct tcaaaacctt attgatacat tttgagaggt tggttgtcat gtggccatat 180
cgacgtcctt ctctatcata agccatcgtc ctttttccct ttgaaatgcg atcaatccat 240
gttgctgtgg ctggacttag ttgacgaaat ttttctaaat tttggtaaaa aaatgtgctt 300
gcaaggagtg taggctgcat aaaatgagtt atgaataaca attttaagta tatattaaat 360
aaacgtgacc atcaaatat 379

<210> 25124
<211> 416
<212> DNA
<213> Glycine max

<400> 25124

tgatacaagt gttcttgagg tctcttccat caaagctttg taaggagctg ttaatcttgt 60
tactcttatt gttttcctta ccaaatttgt gcaagtttct cattcatggt tcaaaaattt 120
catttccggt cttagaagtt tgagacatca agtaccogag ttcttagttc atttgagtca 180
ttttgtgcaa cttcatcaag gtaaagggtg tctttccact tcttgaacct taaccttggt 240
agttatgttg ttogattggt tgtgtgacaa gtgttttcta ctgcttaagg ggccataatt 300
ggttccttga gagtaatacg tagacctgag cctcgatatc ctttcttatt tttgactgta 360
tgtgtttggt gatgtaagtg gcacgagggc tacacatgtg atgcagtggc agaaat 416

<210> 25125
<211> 376
<212> DNA
<213> Glycine max

<400> 25125

agcttgtcaa ttgaacacat caatagcctt gcctccttcc tcaccatttt ctctccaaaa 60
atcaaaactt ggaacctcat tcttccccat ttgcatgag atcttcaagg aggaagaggc 120
cacaattttc atcttcttcc aagctccatc atattgtttt gactttttct ctcaaagcct 180
tggttaagaag cccttaaacc tttcttttcc ttctaatttc tttctcattt ttatgaaaaa 240
ttcttacttg aggttccaaa tttatttttc atcctttgga agcttgagac ttcaacatct 300
aagctttttt tccttaacca ttttgtggaa gcttcaactca aggtaagggg agtctttcca 360
cttcttaaac cctaac 376

<210> 25126
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25126

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aagattgact tgcctaata gaataatgta agtgccactt ccaatgtgtc tgatttatct 120
cttattgatg cagatggagg agccttggat ttgaggacaa atccttttca agaaggaggg 180
agtgatgagg acacaactaa gggcaaggac catgaagcac ttgaaggccc atgaccagag 240
gcatacttaa aaaggcccaa cacagtgatg aggacacaac taagggaag gaccatgaag 300
cagttgaagg gcccatgacc agaggcagac ttaaacaggc ccaacacatc atagagataa 360
ggctgggtcat tngtatagct gccattgatg atgaatgaag gcccatgttt ccataatttt 420
tatt 424

<210> 25127
<211> 373
<212> DNA
<213> Glycine max

<400> 25127

agtttttagct cgctgggag agctacaagt ccacaaaat gacactttgc ctataaatag 60
gcgtgctagg ggggctaaga aggggttcca gtattgagag cgaaggaagt tgagagaaat 120
aagagagaag aagaagaaag aagaggaaac gaggtcaaag cactgttgaa tcgtgactat 180

gatcaatctc tacatcattc cttgttcagt gttctttata cgactgtcgg ttagttttgt 240
 ttttaagatt taaatgtgat ctatgcaccc ttatgggtcc cccttgttgt ctgtgcatat 300
 tcattctcctc attctatcat cggtaatctc attttttttg taaagtttaa acttaactga 360
 tcattagcgc cgt 373

<210> 25128
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25128

ntgttgtagt tgtgaagtag ttgtgaagaa tgctttatta aagttagtgg aacttgatag 60
 attgtcaaga attgaatata gtctcagtga aaaagacgaa ccaatataaa actttttgtg 120
 tctgacctt ttatatctct tgttttaatt gactaagggg ttgaatttga ttttattttt 180
 taaaagagtt tttgcaaaat cggttaatat cgtctaattg agtctgatgt gaaaatcagg 240
 ttttttttat ctttaagctt tatcagatga tagctttgtg atatttgtct ttacaatttg 300
 atgttccaca tcccaatata acaaaatctt ttaataggaa gtatgcctcc caaaaaagtt 360
 gtagatacat gtcttcctaa tttaatcatg tcctggatta tatttttaaag aataaat 417

<210> 25129
 <211> 375
 <212> DNA
 <213> Glycine max
 <400> 25129

ttaagcttgt cggcagaact aacaatttcc attaataat ttatcactaa taacttgtcc 60
 ttagattgga attttttaaaa taagatcaat gctttgagga attattttat atttcataat 120
 gtggaagcat ttaaacaataa ttaaaatttt attttgatgt gaattatagc aatgggatca 180
 acacaaatga attactgtag gacaagagaa ttagtcattt acattgcatg ataaagaaaa 240
 ctagataaaa taacaaacaa aatgctgttg ataatacgaa agttcacgag accagtgtca 300
 ctaatagtta gtgggggtgt gtatgttttt ccctaaaccc taaagacaca taagatgtgt 360
 aacaaaccaa ctaag 375

<210> 25130
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 25130

tgtatttgaa tgtagtgta atgaggtgga tatagcgtca ctggtactta ctgtttcatc 60
 aattgtaact ttcatttgac gggcattcaa tttggaagaa gttgggctta cttccagatt 120
 tcaattacta tttttcactt tccagtgcac ggctctttct attatggttt ccctacagca 180
 acattttggc atcttatatc ttgtttgaat cttgggttga tacattgtcg tctttgaata 240
 cattgaatgt tgagaacttt agcctatatt aatatctatt atatctagtt tcttgttctt 300
 tcattttccc caaatttttt cttagtgcata ctttcattat atagtgccag agttgtactt 360
 actgttaaaa tgaaactttt tcgttcttat ttattataat tacattgaat tct 413

<210> 25131
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25131

cccaaccacc aagaatggac aggggaaaag aaaggagaga aaaaaacaaa aaagaaantt 60
 gagctgtgac cctganacca nnanaggaac aggagcacga gggagaagtt gacgaatana 120
 ggggacggcg acaaggggag agaggcggac ccgccacgaa caaccgagga cagagacaaa 180
 gcgaagcgac ggaagacacc aagggccgaa agaaccacgg gaggaccaca cgcgacacga 240
 agacccaaag agcggcagaa acaaggaaca accaaggagg aaaagggaca gagccggacg 300
 agacaagaag gggaaacaaa aaccgagcgc cgaaagagac gacaaaaagg gaaacaaccg 360
 gagcacaag cgagccgca cac 383

<210> 25132
 <211> 221
 <212> DNA
 <213> Glycine max

<400> 25132

tatgcttgtt ttcagttata tgatgtcacc tttcttacac agggcataac acatataacg 60

ataactgttt agcgaaaaga acggaatcac tgtttaacgc ggaatatgcg gtttcttcga 120
aaccgcgtaa gacgtgaccc ttaaagtttt tgttattgta aacggacgtg aaggatgtac 180
atgtggcact aggtccaacc gtgtgatgca agggcttaaa g 221

<210> 25133
<211> 378
<212> DNA
<213> Glycine max

<400> 25133

tttgcttttc ttgatgtcat tcaaaacaca ctatgtagac ctaaatagaag actaaacatt 60
gtttatttaa ttgtattcat tatacgatat aatttggtgt aaccggttac taaccaatta 120
atattatcaa ctactcgttt ggtaagcaa ggaaattggt ggtccaacaa aaatcattta 180
cgcggtgcagc atacatcatt gtcataattg acaacacata atgacatgca tgtgtattac 240
agtttgagcg tgacaacaca ttggctgact tcagtaacaca ttttgaaact agcagtcgct 300
cgacaacaca ttggttgact tgactacaca ttagcgacaa cacattggct gacttgacta 360
cacatctacg cgtgtctg 378

<210> 25134
<211> 418
<212> DNA
<213> Glycine max

<400> 25134

tcctctaccg taataaaaaa acattatcgg ccagtgatcg tttttaaaaa gtaattgcgc 60
aatgtcaact gaaaaatata agtcgggcta cttcacgacc gatgtcggct attgagtttt 120
ctattcaata ctttaataaa atatttatga tgcggttaag gaaatgttcg atcggcgctca 180
tgcggtgatg cttctttttt agacctcgat cggtcattct tcctagcgga cgtcgactga 240
catttttttc aatcaatata ggtgaaaaat atttttttgc cgagatgggc taatgttttc 300
gtggccgaat aaatggaaac atgccagttt cggccgaaag aaaacgtcgg ttgagctcgc 360
tcaaaaaaac ctagccgacc tacattgtac attttttatg caacaccaa acaagaaa 418

<210> 25135
<211> 370
<212> DNA

<213> Glycine max

<400> 25135

tagtcttaaa cctaataata caaatactct ctacttaagt acatattctt tccatctcta 60
cctcttatgt tccacattaa tgtcatccaa atgacattca ctagtacaag aaaacaacac 120
ttgcaatgaa agatttcaac caatttttag tttccttcaa cgaactttca actttcacia 180
tctttctctt ttgtcgaaaa atcatcaagt ctttctcatc atttagttca tatgaacacc 240
attcaaaaaa attgtatcca actccaactc tgttttcaat ggaaaaaccc acaaattaaa 300
catgaaacaa agccatacta ttaaaaagaa atgactaaac cgttcaagac aaactcaccc 360
aatgaggaca 370

<210> 25136

<211> 409

<212> DNA

<213> Glycine max

<400> 25136

ttaactaagt ttttagtcct tgaacttttt tgattttcta tttttagttc ctaaataaaa 60
atttgaccga tcaaggctct tcaacttttt ttcattaaga tttttagttc ctaaacaagt 120
ttcaaactcc tccacaatgg tgagtggatg ctcaggcata agcacccaat gggcaactcc 180
ctttctcatc ttttcatgat cataattggc acttgacttc aataagaaat gaatttgtgc 240
atcataatta gattcaccat aatttaaggt cttttgtttc aaattaaatt tatcacaatt 300
ccctaaatgt ctctttgaat gtgtggttgt tccacctcc ttgtagcata ttttcttctt 360
ataatgtaca caaacaactt ttaatgtctc atttgataac ttaatctca 409

<210> 25137

<211> 378

<212> DNA

<213> Glycine max

<400> 25137

agcttttagt ggtatttgac taattatggt ttattgtact tgacttatta gggtttagtg 60
ttacatgacc aattaggggt tagggttatt tgaaaagata gggttgcttg actaattggg 120
tttaggggta tttgacaaat aagggttag gggtacttga cgaatttggg tttaggggta 180

tttgactaat gaggatttat atgtagttga gtttaattagg gtttagtggt acttggccaa 240
 ttaggggtta ggggtatttg acaaattagg gttacttgac taataagggt ttatgggtat 300
 ttgaaaatta aggtttaggg ttacttgaca atttgggggt taggtgtatg tgactaatta 360
 agatttatag gtacttga 378

<210> 25138
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 25138

gttgcccaat gaggtgacat tgaaaatacc tagagggact acttgatata cagaatttgc 60
 tgctcgtttc atagtggatt ccaactgcgt atatgcatat ttaacgggca taccactaac 120
 cagagcagca accaatttga ccttatttgg actctaaagt accatagaaa acagggtatg 180
 tgaaatgtgc aactagtcgg gattttaatcg gatccttatt agaccataaa ttaagacatt 240
 gtccacagca ggccaggga ggcatatcaa tggctaagaa attagatgcc aacttttctg 300
 caaaataaca tgttggttga aacacagaag tttcttagcg agtagctagg cagtggcacc 360
 acatagatgt aacaaaacat tggaattagt caatatacat gttattgcta agctgaacat 420
 acttgt 426

<210> 25139
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 25139

agcttttatct ttaaacadat ccttacactc actttctaca ctagttcacc ttcactctta 60
 ttcgagctta tactegactt tacttttact acactagctc tttttcttgg gtaactcact 120
 ccactttcct tactegaact tatctcttaa atactaccct tgcttttagtc tatgattgaa 180
 aacaatacaa acattctaac ctatggtcac atagtgtcat tctagataga ctttcatgcc 240
 tttaaaaagt cactttctcat ccattccaag tcatcacaat agtttcccat cccaatatat 300
 atcataacta aggagggaac catccacca ttacacaagt acaacctaag gcattcatgg 360
 catccacatc atccatcac 379

<210> 25140
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 25140

tggagaggat gcttcaatgg aggaaaagaa agaggggtgtt ataagagggga ggggggagca 60
 cgaaattgaa ggaagaaaaa gggagagaag ttgaactttg agttgtgtct cacaagactc 120
 tcattcatca aagttacaac aagtgttaca catgcttcta tttatagact aggtagcttc 180
 cttgagaagc tttcttgaga aaacttcctt gagaagcttc tttgagaaaa cttccttgag 240
 aagctagagc ttagctacac acaccctct cataactaag ctcacctcct tgagaagctt 300
 ccttaagaag attcctaaag aagctaaagc ttagctacac atacctctct aatagctaag 360
 ctcacctcct tgagatgaga agctagagct tagctacaca cccctataa tagctaagct 420
 c 421

<210> 25141
 <211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25141

agcttccctt ttcaattacg agcgtctcga tatactacgg gacacaagcg gacatttttag 60
 tcaaaagtta ttgtcttttg aatttgctca gagcttttgt tttcaattac gagcgtctcg 120
 atatattacg ggactcaatc ggacatccga gttaaaagtt attgtcgttt gaatttgctc 180
 agagcttctg ttttcaattt cgagcgtctc gacatattat gggactcaat cagacatccg 240
 tgtaaaaagt tatcgtcgtt tgatttttct aatagcttct gttctgaatt tcgagcgtct 300
 cgatatatta cgggactcaa ttggacatcc gagtaaaaag ttattgtcgn ttgatttttc 360
 tcagagc 367

<210> 25142
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 25142

tgagctcatt gttgctgccc cacaaagctc ctcggttttt atctcagcca tgttcctcct 60
 tgtggggccct tttagtttct tgttcaaggc ctcttgtagt ggtcgcattt tcctctcgta 120
 actcagtga cttttccag atgtttgtag cggctgactt gaacttttct ttggcgagtc 180
 ttgccttccc tagctctaata tttagagctt ggacttcttc atcttcttcc ggagcttcga 240
 agttctcttc attgataact ttttaacttg cgagccaatc taaccctcgc gtatgaactc 300
 ttagccattc gtgataacca ccgatgacgc cattacggat gccctaagt tctttatcct 360
 tcctcaacgg acttcttcat gccttggtga ctctttgtac aaccttgaga cttt 414

<210> 25143
 <211> 349
 <212> DNA
 <213> Glycine max

<400> 25143
 agttttgttc tttgcattaa atgagaagac ctgaacttat cacgttatct aaaaaaaccc 60
 ttgggggtgga tccaagcgt tcgatcattc atttgcatat tcatgttttg gcggcatact 120
 caccgatgtt ctttcttta ggaatctcat cataactaag aaagcacaaa ggcacccta 180
 taacactcga tccagaaaaa tggataatga agagggcag caggaacaga tgaaggccga 240
 tctatcgcc ctaaaagatc aaatggcttc catctcggag gacatgtcaa aactccagaa 300
 gactatatag gataaagcca cgacaaccgt ctccagtaaa gttagggaa 349

<210> 25144
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25144

ntcataagt aaatcaggtg cagccatctc cctaagtgtt ctctcacaag gcagaggttg 60
 agtcatgttc tcagtatgaa aattaacaat cgaatgtcga aaatcagaat attcagaatc 120
 attagcaaca gaatgtcaa atgtctcaa gtgcataaaa tgatcaggat gcacactatg 180
 cctaactaat ctatgaaagg ttctatctat tttaggatta aagggttgta aatcacctgg 240
 attgcccta gtcatgcact atatgaagca aataatgtgt tctcaaaca gcacctaaca 300

agggggtaaa actacagcta tactcaaaca atatcaaaat gagctaaaat tttgtgagga 360
acaccctaaa atcatgaaaa gatagcatga aaattttcac acaaaaattc aaagtctaa 419

<210> 25145
<211> 378
<212> DNA
<213> Glycine max

<400> 25145

agcttggttt tgggtcaatag caccacacct gacgtcccca aggtctcctg acccccgcga 60
catatctcta ggtaccactc tatggtcaac aaacaaaagt aggaagactg actcttccac 120
gctttctcac atcaagctta gtggattatg gggcactcgt catatgtggt actaggtggt 180
gatcgggcaa tgggtgtaa atcaactctccc actttcacaa gtcaaacata aacataccat 240
ccccagatgc ccaccttcaa ctgagctcac gcactcctac gtagccctta tcctcggttc 300
tctcagcacc aggtcccat caatccctcc aagcttccac gctatccaag caattcaatt 360
tcatttatca tgaaacta 378

<210> 25146
<211> 417
<212> DNA
<213> Glycine max

<400> 25146

ctgacaagtg ttgtttttca cttctcgat aagcctatgt gctagcttag cgagcgtccg 60
ctaagcgcaa cactcatggg ttaagtgcga ggaagactct ggaagaagat aagctgtaca 120
ggttcactaa gcgcaccgct tcctctcact aagcgcaccg cttcagttca tccgctaage 180
gagaaggcac gcgataagcc gaaattcact aatgtgcgct aagcgggtcca taagtgcgtg 240
atgtgtcatt attttctcct atttcttaac cctttttgtc accattttta ttactaatta 300
gccttaattg tgaaattaat tatgcagttt tatcatttgg gcctacttga ctaagtttat 360
gtttttaatt taatttcagg agaattataa gcaattgtgc ttgaatccga aattggg 417

<210> 25147
<211> 375
<212> DNA
<213> Glycine max

<400> 25147

tcaagcttga gcaccttttt cctcacttct tccttcattg atggggtgag ccttctctag 60
ggttgtatga ttggtctata gtctccttcc atcattttct tgtgcatgta gttggcaggg 120
ctgattcctt taagatctaa tatgtgccac ccaattgctt ccatgtgtcc cttgaggacc 180
tttaccaacc tattctcttc ctctgctgtt agctcactgt gatcaccaca ggcttgggtct 240
cgctctcctc caagaacaca tacttcaggt ggttgggtag gatcttcaac tccaccttgg 300
tcttctcgga tggactccca ctttttaatt cttcaaagct ggtccccctt gcaggaatgt 360
tatcttcatg atcta 375

<210> 25148

<211> 416

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25148

tgtagaatgg ctagacatga tacatgtcag ggtttgtttt ggttcaagga taaaagggat 60
gccccacact atttccatga cacaaatgca aaaatgatga tttggaaact tttatgcaaa 120
actggtcatg catgcaccta tgtggacact caagtgtcaa acttttatgg tcatgtgatg 180
ctaggggtca ngattaattt cctccatttt aaatcaaccc aatgtttcca aaatatgttc 240
ttttatcaat ttgtgcatte ctccaagtcc atttcgggca tccggggaaa tttcacagca 300
ttcacccttc aggtgtagac acgttttttt tcaaaaacta gctatgatca gcgaattttt 360
cttttaaaga aaagttggaa atcatctctt ttcaaaagca tggccgattt ttagct 416

<210> 25149

<211> 381

<212> DNA

<213> Glycine max

<400> 25149

agttttgagc caaaatcctg actcaccata aaccttgacc cagggtgaga atgtcaatcc 60
ttaccctcgg aagcgaaaag aatagaaggg aaatttccaa tcaaagaaaa ggaaagaagg 120
aagatttcca atcaaaaaga aagcaaaaaa gaaagaaggg aaaattcccc aatcaaagag 180
tgggagaaag caaaaagaaa agaaagaaaa ttcccaatca aagaatggga gaaagtaaaa 240

aaggaagaag aagaaggaaa gaaagctcct gatcaaggat cgaaggaaaa cagaagaaat 300
gtgcagaaag gtctttggac cggacaatat ctgaacaata cagaattgtc accaaatgaa 360
aaaaaagaag gaaaggaaac c 381

<210> 25150
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25150

ntgcggattt ggtcttcgcc agtgaaagga tcgatgtgtg tccgaaaaga ggcaaatttg 60
atcatcctac taggacgact gagaaaactg gggcaaatga agaggggtgag aaagaggagag 120
aaacccatgc tgtgactgcc attcctatac ggccaagttt cccaccaaac ccaacagtgt 180
cattactcag tcaataacaa acctcctcct taccaccacc ccagttatcc acaaaggcca 240
tccttaaate aaccacaaag cctgtctacc gcacttccaa tgacgaagac caccttttagc 300
acaaacaaaa aaaacaccaa caaaaaggaa ttttgcagca aaaagcctgt aggggttcacc 360
ccaaattccg ttgtcatatg ctaaacttga tcccatatcc actcaataat tcaatgctag 420
c 421

<210> 25151
<211> 375
<212> DNA
<213> Glycine max

<400> 25151

agtcttaaatt atttgaagtt ctagctagta cacttgaatt attatctttt tcttaagctc 60
ctttaccttt gcttggtagt ggctgggggt gagtaggctt atgtgacagg gcagcagaga 120
ttgggaagtt aatttatggt ttggggttgc agatgagtga tttcagtgat aagctaataa 180
taaagttttt gtggggatgt aattgtgttt agatgttttg aaggatattc tagattaaag 240
gttaacattc ataagacctt aaccttgccg acaagatgaa aatgggttatg gggaggcaaa 300
cttggtgaaa gaattttaag tgtcatgatt tgttggtctt agctatctgc ttggagccaa 360
ctatgtaatt ggatt 375

<210> 25152
 <211> 416
 <212> DNA
 <213> Glycine max
 <400> 25152
 tgccctaacc tttggaatga gctatagaaa tatccttaac aactccctct agttcagttg 60
 taaagaaaga aagataccca catataaaac atatcctcct aagaaagcac cagagtaatc 120
 atgaaataac ctaccatagc gaaggggaacc atgaaatgat tttaccagcc ttgggtgcat 180
 gaatattgat gttaaaagct ttgatgacct gaaactcact caaagaggat ctcatacagc 240
 ttgaagtaag ataaccggcc cacaagcaaa atatgagcaa acataaggat cattgcttgc 300
 tgctatgaga caaaaagatt atgaaagcag gcttgatddd ggcaacttaa gatcgcccaa 360
 accatagaga taaaactagc aagaacaaca tcttttagctt gcggggcgaac aactaa 416

<210> 25153
 <211> 377
 <212> DNA
 <213> Glycine max
 <400> 25153
 taagcttttc ttatactaaa tttggtgttg ttctgttggg tgggtggcaag aacagagggg 60
 gctggaacaa gcggcggaagc atattgcaaa tctggtatgc ttgtgcaact atacatactc 120
 ggtgctgtag attggttgag aacaagattc tgccctatatt gttctcattt tgcagctgct 180
 gggaattttg attttgtgaa tcagtgaaaa tgttgatatt cataacttac ttgcattctt 240
 tcaggacaag gagcgtgtca agttatacaa cgaaagagac atgaaagaag atcagctcaa 300
 atccatatct tcgacgaatg aagacaatgc ttgtactatg ttttcaaagt caaagagttc 360
 agacacgtac gtcaaat 377

<210> 25154
 <211> 414
 <212> DNA
 <213> Glycine max
 <400> 25154
 tattagtaaa acaatattgg attagccgca gagtatatta gctgtggaag caaaacccct 60

agagcaaaaa catgaaggaa agtgattgga tatttccatt gcacccttcc attcttctaa 120
 tggatcaaag atttghtaagg aaaaggaatg tacaaatgag ggaaaatacc aaatactact 180
 ttaattcatc atatgcagaa atgtcgggct acatcagaat gcatattaca cgaataccag 240
 tttgctagat aatacataat tttgtgaaag accaatttct tcatttggtg cagcaagtaa 300
 atatagattc tgaaaacacc ccattattta acccttttctt cccttcttcc aacatcagtt 360
 ccaacaaaaa cttatcctcc aagttagctc ttgtgtatca acaacaccaa caaa 414

<210> 25155
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 25155
 cgcattgcttt tttcaaccta taggtgatgg accattccaa gtgttgaggaga agatcaacga 60
 caatgcctac aacattgact tgcctattga gactaatgta aacgccactt tcaatgagtg 120
 taatctatct gtttccgatg cagacggagg agccttggat ttgaggacaa atccttttca 180
 agaatgaggg agtgatgagg acacaactaa cgacaaggac catgaagcac atgaagggcc 240
 catgaccata cgcaaaactta aacaggccga acacgtcata aagacaaggc tgggcatttg 300
 tatcgctgcc attgatgatg attgaaggcc caagtggaga cctatgaatg cccacatgca 360
 gaagcgctac taagac 376

<210> 25156
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 25156
 tgaagatgta tagcccacca tcttttcata ctgtgttatg tgtctactat gattggcatc 60
 atgtgatctt cgtcattgag gtgccacttg aactgccaaag tctctccacc tttgggcgta 120
 ttctttttaa agattcgtgc cccattttt tgcacatggt caataattgc atcctatccg 180
 aagccattat actaactcgt cctaacgaag gcaaccatta ggtccttcca agcatgggct 240
 cggaagggtt ccaagttagt gtacctggtg acagctaccc ccagtaagac tttcttgga 300
 ggaatgtatc agcaatttct catcttttgc gtatgcccc atcttccgac aatacatctt 360

tagatgggttc tcggggcaag tagtcccctt gtacttgtca aagtctagca ccttg 415

<210> 25157
<211> 351
<212> DNA
<213> Glycine max

<400> 25157

tatttttgaa tggaagctct ggtctcttgc tgaaactgca tgttctgcat agtcatttgc 60
ctcacaagtt cttcgaggga aggttgtgga ggggcctcaa ctgtagctg tttctggggt 120
tgttgctggt gttggattgg tggaggaatg tatggtctgc ttgggccagc aacatttttg 180
aaagaacgag caggctgctg tagctgttgt tgctgagggc tggaccatct gaggttatgg 240
tgattactcc atccaagggt gtatctgttg ctggagaggt cataattgct ctgctgcgga 300
tgattttgct gctgaggttg acgaggtcta ttgtaaatgt ttgcagcata a 351

<210> 25158
<211> 437
<212> DNA
<213> Glycine max

<400> 25158

gtgacactat aaaactaagc ttacaaat ccaaacaatt caattccata tgtcatgaaa 60
ctaactaaa ccaataaaaa tagagtggag gcagaaaact ttgtacaaag ctcatcctaaa 120
ttccacagtt tttctactc acatgcccc aataacattct cttcgtttcg attcggttaac 180
cattggatcg ccttgaaaat tttattggag gttcctaata cagaaatata atttttgacc 240
gttgggatct actagaaaat gcctagaaca cgagatgtac tacccttctt gtgactagca 300
ctgcacaact atttttctgc acatttggtg aaatctattg cacaatttaa catcattttt 360
ctgcataatg tggcagattt cgaattctag cttgcttgta tccaatttca ctcaaattgg 420
atcctacaag tcctaaa 437

<210> 25159
<211> 369
<212> DNA
<213> Glycine max

<400> 25159

agttttgaga aagtaagctt caaatgatct ttgaatagaa atagattcct cagcctttgc 60
 taatgcttct tcacgatggc cagtgtcata cagtatccat ccttcataga caagcctttc 120
 atgatcagaa gtagaataat ttctagccag ccgcaaacta cgcattgcag actttggaca 180
 attcaaccta caagattcag gaaaatcaac acccataata gtcaagctct ggcattaaaa 240
 tgaaaccagg actaagacac acccaaccag tttttcgaag tacttatcag tttccattca 300
 ttctgaaagc agagaagata caataactga aaatcacctc caggactaac acttatgaaa 360
 ctatgcata 369

<210> 25160
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 25160
 tgttgaccat tgaatagggtg aatcgtgtgc tatactttgt ggataaatta gattctctaa 60
 aggcaagaaa cgccaaccct tttagcaaca gtagcaatga tgtcaaagta acaaccaat 120
 gggaaacctt tgattctgga atggaaagct cggatgcccc atccgataac tcgtcttcaa 180
 cgaaagtaac tcaagattgg gagcagtttg attaaatctt gtacatcata ctactgtccc 240
 ttcatecttt gttcgagatt catatatata ttgagaggtc ttggtacaac gatgttgcc 300
 tgtgatttgg taggcagaaa ttttaattgc agaaatgttc tctccgctta ggtaaagtgt 360
 catatgttaa tctatctcgt gcaacttagtt ttaggcaaaa catgtaaa 408

<210> 25161
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 25161
 agcttccctt ccagttccca ttcgagtacc taacgggtgt gattttcaaa cgttaaaaac 60
 cagaatacac aataccctta agctaaccga caaacaattt ttggatgaaa ttactaccg 120
 acagcctttc acgtatgcag gtaatcaatt tcggtttcaa tgtatgcaac tgaaagatga 180
 tgctgatgtt aacacaatgt tattgtgtaa tcatgaattt tcggttggtg gtccgattga 240
 gttattatgt agcattgtta gaaccccgaga tgggtatttta aacttacttg aaactactat 300

gacccctact catgatgcc tggttatatta caatgggagg tggaacatgt cagcccaaaa 360
 tgagtttggt gggtactcgt 380

<210> 25162
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25162

ntaaccttag gttgtacact tcatatcctt gcaagctaata gcttgaaaga taaatattgc 60
 taatttctgc tagagtttgt cttaaatttcc tccaattaga tgatcatccc agatccaact 120
 cagtatgagt atagttaaata gcccaaattg cagtcgccatt ctgtgtcact ttataaatga 180
 acgcattctg tgtcactttt ataatagaacg cattctgcct aatgtcaata cagtacaaga 240
 gaatttattt gtttcatgaa caaagaactg gacgacaggt agaaaattat gattcaattc 300
 agaaatccat tgcaagaaaa tagccttgag attgaagagt ttcagcatct gctacatgct 360
 tatatgacta acgaccaata acagttactg gggttctagc aaatatgcag cat 413

<210> 25163
 <211> 347
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25163

agcttcattc catgagagaa cacaccatca acctgtaaac acacaaaaca aagagctaca 60
 accatagagg aaacctccta acttgacaac gcaccgtcta accgctacaa gatgacgcac 120
 gatgcacata cgaaacgata gagacaaaaga cgccacacac aatataacaa acaatacaaa 180
 cgccacacaa gagagctggg catgaaaaaa ataaaacatc tttaaagctct ccaacaagct 240
 gcaaggctaa gtaatcatga cgctcctgct atcactaaca aaaaccacat ggcacanaac 300
 acatatatat acatatagag atatatataa agacacacac acacata 347

<210> 25164
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 25164

ccccatccac tatcgcgagg gcgatcatcc tgtatatcaa ggctacaacc aaacttatga 60
tcaataccat actgaagcct cataacatcc actatacgag taacttggat atcatgacag 120
gactatgact tgtatatacc aatactcagc acccatctag agttggcatt gttgttgcta 180
aaaacccttc cacaatagat gtttagtact gtacgtctta ttactataag tgggtactcct 240
cctaacccttg ttacaaaaca ccttataccc atatttgact ttgcactcgg ccctatacct 300
cactatttgt atatggtgaa tacacagctg gccaccatt cattatagaa tgcacaacaa 360

<210> 25165

<211> 381

<212> DNA

<213> Glycine max

<400> 25165

agtttgtgtc tgtattcttc tacagctctt tcaaagtct aataacctca ccgagtaatg 60
acgctttgtc catctatatg ttcaaaagta aagaaaagag atgttcaaaa cttcaaacag 120
tgaatgcatt ctttaaaatg tttatttcca ctgacatctg agcataaatc aaactataag 180
cacaatttca agttcctctc gccccctttt aggaaagaaa actcaaattg agtccttgac 240
aatcaaaagc aacaattcaa ctaccaacta gcatagttac ataccaaaat attaagtttc 300
caacaattca ttcgtacaca agttgagatg gtaatggaag cacaagagag tgctaattgag 360
tctaattggct catacaatac t 381

<210> 25166

<211> 414

<212> DNA

<213> Glycine max

<400> 25166

tgtatctaaa aatgtcttaa aaatgaattt aattattttt tgttttctta tccctttatt 60
aatatatatg tgaggggtat aggggtgtcac aataggtgcc agcttggtga tgtggaaaaa 120
tgcaaagagc cacttttgaa ggtgagaagg catctctcac agtcggattt ggagagagaa 180
taaaggaaag ctattctaga tttattattt tctttaaaaa tggatgacta agggatctta 240
tgtcttatat attttgagtt aataatgggt tgctaattat ctttgggcta gggcttgagg 300

gagccaattg gaattgtgat ctagttattc ttctttaatt ctctaagcat tttgtttata 360
gattgtcctt taaatcttaa tttactgctg tgtatgaagt tgatgaatct tcat 414

<210> 25167
<211> 520
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25167

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aagnacaatg aatcgatgca tgcaagncna anacgacaca gnacccgggg agccacgaga 120
gncaaaccgc aggcccgcaa gtttctatac acgcgcggaa ccagncagcg ccggcgcacg 180
agcagccgaa cacgacagtg gcgcccacag tggctgcagc aaagcaaaga gccgagccac 240
ccatggcagg agcaacaacc caccacatga acacagccaa ccgagacgca gaacgaaaac 300
aaaggcgacc gccacaagga nagagcaaac cccaaagcga gcacccaccg acaccgacgc 360
aaaagaaagc accaaagaca cgactaggac tacgaggacc aaaggccccg gccagcacac 420
agaacaacgg aaggagagaa acaaaaacgc ggaaaggagc tcgcaaacac acgaacgaac 480
agcgaaaagg ggcgaaacac accagcngag gagatcgacg 520

<210> 25168
<211> 579
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25168

ctccgccanc cccctancag cgacacactc anacagagta gaacgcagca aancaacgna 60
gtagcgaca ngngcgactc gcaatcaaca caaaacacac aancagacgg aaganntttt 120
cgggacctcg taagnacngc gacactanan naaacacaca gcggcgacgc aaagnncac 180
gacagacagc agcncattct ttaatcgnca gccgcggcca tacgagacac ccagccaaac 240
aaagacacgc aagccgagac ccgactgaga acgaccgtcc atgccatacg cagaaaaggc 300
aacgatccaa acaagccccg acacacggac aacgaggcac gcaatcaaac ccgagccaga 360
acggagatgt atacaccgca tgagccagaa gacatcacga gccaaaagat tgcgcacctg 420

gccacagaaa acaaacgacg aggtaccata agcaacggag gacggacccg aaaaagcgac 480
 gcatgacgag cacaaaaggg cacacaaaga aaaaaatcgc ccaaaagcaa ctattgtcga 540
 gacgcaatca caaaagaaac cgccgaacac agacacacc 579

<210> 25169
 <211> 513
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25169

acacccaccc aacaaccgac aacacaaagc aggaaaaaaa agactacttt taacaaaagc 60
 acagannann ttgagcctga tgacaccatg gaaacaangn ngaaacgagc acctaacagg 120
 aaccggaggc agcagtctaa cgaattttta ggcgcgcgcg agggacccga ccaaggagga 180
 gacaagatca accacaaggc cgacaacatt gactagacaa aagagcaatc agctacggaa 240
 atttatacgc ggccaagcag acacggtaac aaccgaacag aagagcccgc gaatgaaaga 300
 caaatccgga ctcatacaag aaggcagatg gagaccacac atacggccga gccacagaca 360
 cacatgaatg agcacgagac gaaaacgtgc caatgcacga tccatgacac ataaaagaca 420
 acggccgaac tgggtgaaaga ccaactcgat caacatagag ccccccagaa gacacagatg 480
 aaggccaaga gcgaaagaca ttacaacgaa acn 513

<210> 25170
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 25170

gcatcccttc aatatacggt gttgtcaaga atttgtttca gacgctctcc atcttcaacc 60
 cccttatacc ttacaaagac gtacctatgg ccttgtttat tccttttcag aggtataaac 120
 acttcccaaa ctttacccca ctctgaaaa atcttccaaa gatctttctc acggacataa 180
 tccggaaaat gggaaaagtc gaaagagggg atgtctgggc tgtccctcca cgatgatgat 240
 gagcccttc cgcgtttgga ggtctgggga tggctctcgt gaccagctat ctcttttca 300
 tgtgccgaaa gaggtctcgt acgagcctta cttctaacct tgacttgagt ccacgagccc 360
 t 361

<210> 25171
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 25171

ttaagcttga aggtgtgtaa cccaccattt tccatagtag aacactagca atatgtctac 60
 tatcattggt attatttctt tcttcgtcat tgtaggtggc acttgagttg ccaagtctct 120
 ccatctttgg gtgcattctt tgaaagattc gtgccccctt tttgcacatg ttctgtaatt 180
 gcatectatc cggagccata tcagaattgc actgatgctg cccaatgaat gcaaccatta 240
 agtccttcca agaatggact cacgaaggtt cggtatttag tataccaggt gacagttgtc 300
 ccactaagac tttcttgcca aaaatgtatc agcagtttct catcttttgc gtatgcccc 360
 atcttttagat ggttcttac 379

<210> 25172
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25172

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 aatagcttct catccttaga gtgtgtgccc atcttgcgac agtacatctt gagatgggtc 120
 ttgggacaag tcgtcccttt atacttgctg aagtctggta ctttgaactt cgggggggata 180
 acaacatcgg gtactaagca gagatccgtc atgtctgcaa acggatagtc accaaatcct 240
 tccacggccc tcaatctctc ctgaggaga tgcagtttcc tcctttcttc agttgtcggg 300
 ggcggtcctt ccatggacaa aactattggt tgtgtcgtga tgttgggctg aggcaacgtg 360
 ctgggtgccg gcccttcggn gatcgngga tagaactcga catccttct agcat 415

<210> 25173
 <211> 539
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25173

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 caacagacaa cganncacga tgaatgatgc catcgagac cccacangga agnaancaag 120
 cnncccgccg cagggcacag agagaaccag acggcatgta agctaactaa cacgagagag 180
 caacagacac gtgaaaaacg aggacgcaag aaggaactgc cacgcaaat gaaacgatgg 240
 aagcagagggc aaataaatcg agcatgcaaa cgcgaaacgtt atcatacaca aggggacaca 300
 aacaaaccta cgagcagagc gacaccagct gtggaacaac cccagacccg aacgggcagg 360
 ctcagaagcc tgagaacatc gaggcaccca atgacgggac caagaacgaa ggaactgcac 420
 aacgaaacag ctcacagctc acacgctaaa tgtcacaccg tcaaagacag aaacagacta 480
 cgtctgaaga aaaaaacaaa gaaacagggt ccagaaatcg gacagaacaa acacgggcn 539

<210> 25174
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 25174
 gcttgagcca ttaatcgaca ataactttta ctttgtgtct gattgagtcc cgtcatatat 60
 cgagacgctc gaaattgaat attgaagctc tgagcaaatt cagggcagat attcttttta 120
 ctcgatgctc tgattgagtc ctgtaataata acgagacgct cgaaattgaa tgttgaactt 180
 ctgagcaatt tcaaacgaca ataacttttt tctcgatgtt ttgattgaga ctcgtaatat 240
 atcgagacgc tcgaagttga atgtttatgc tttgagccaa ttcaaaccac aataactcta 300
 tgctcgatg tctgattgac tcccgcgatt taacgcgacg ctcaaaattg aatgttcaag 360
 ctctgagtta attcaaacga caataacggt ctactcgat gtctgattga gtc 413

<210> 25175
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 25175
 tattaacaga ggcgatgcaa cccgagcgta tcatggagct aatccagccc tcacctaccc 60
 agggaatatc aagagccacg atcagaccaa ttacaagacg gccttcaaca aacaagaaac 120
 cccaacaaca taccgcatat gaggtacacc accggaaaac accaaatcat gtgcgaccca 180

ccccctatga accgagcctc acctacaaga atagctaccg aacaaatcta tacgatacaa 240
 taacaaccta cctaagagcg gagcaaccca taacctcgga gagctttcat ataacagcgg 300
 agatacatatcg cgttgatcaa agccaaacgc gacaaaaaac ccaagtaaac aacaacggac 360
 cagccccctcg acg 373

<210> 25176
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 25176
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 tgttgtgaaa gtaagtcaat gtaagaataa atgcttcgtg gtcacctaata tgaacctggc 120
 gttgaaatgg ggggtctctca cagcgggagg ttggaaaaaac tttgcatgcg cattgaacta 180
 atatcttcat tgctttaatc acttagactt gtgcttatga ttgatttgaa attagagaac 240
 gattagtgtc agaaatgcac tattgtgttc ttatactatt atcaaaagat tcaaccttgc 300
 aaactatact ttacaaagtt tatagttgaa attttcacaa tagaatgatt agaagagttg 360
 gtcaatcata cttgatcaaa aactatagtt ggtgtgcatg caa 403

<210> 25177
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 25177
 taagtctttt tctagaggag accgaccatt ccaagtgttg gagaagatca acgacaatgc 60
 ctacaacatt gacttgcta tggaagataa tgtaagtgcc acttgcaatg tgtcacgaac 120
 acctctctgt gatgcatacg gaggagcctc gcactctgagg acaaatacctt ctcaagaagg 180
 agggaaatgaa gaggacataa ccaagggcaa ggaccatgaa gcacttgaag gtcccatgac 240
 tagaggcaga ctgaaacaag cccaacacgt catacagaca aggctagtaa tttgcatacc 300
 tgccattgat gatgattgaa ggcccatatg gagaaagatc aaggcccaca cgcagaggca 360
 ctaccaaacac ta 372

<210> 25178
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 25178

actagctgga cttcctgtgt tgtgaacctt cttttcatct gtcccaaacc caatcacctg 60
 gttcaagcac gactctcttt ctgcttttgt tggcttgcc tgcatagctc gcatttttct 120
 tttcaatttg aaccttcact tgctcatgca acttcttcac atactcagct ttagcctgag 180
 catccttatg cttaaacata gcaatgttac gcatatgcaa catatcaaga ggagtcaaag 240
 gattaaatcc atacactatc tcaaagtgtg aacaattagc tgtgctatgg acagcccgat 300
 tataagcaaa ctcaacatga tgcaaacagg cttcccaaga tttatagatt tttctttata 360
 acagtcttaa gcagtgtgcc ttaagtccta ttgactacct ctacttgacc at 412

<210> 25179
 <211> 648
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25179

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 acacncaaga caaaacacaa attgaccccc atggatgaca tcgtaagaac aacggngann 120
 aanagcgcg ccccgccggg atccagaagc gaccaccggt taggangaat ttttttacc 180
 cgaccacaca cgacgataac cagaagagaa cagaaagcca caccgccctc gacagacaac 240
 tatacacgaa cgcagatgga cgaagaaggt agcacagtag aaacgataga gcaaaagaca 300
 cccaaatgga gccagaagga gcagagacat cgggcaagaa caccaaatac aagcgctgc 360
 gcgacgaacg tgacatacga agacggcgac gacctagaag cgaaagcagc gcgggcagag 420
 tgactctga cacatacggg gtgcatgtcg acacaacgac gagagccaac agacaacaca 480
 acacagttag cacacgcact gaccaggcag ggaagcagac ccaaccagca anggtgagaa 540
 gaagaaacga gcagagcgca ctgaacagca cggaacgaca tctggcatca gaactcacag 600
 accatcgaac aacaacagaa cgtagcacta ccattagagg ctacatcg 648

<210> 25180

<211> 80
 <212> DNA
 <213> Glycine max

<400> 25180

cattggcgga ttccaccgat atgggcactt acactatctg ctctgtgccg tagtagccag 60
 ccgaaccgca caccctgac 80

<210> 25181
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 25181

ttgttttcat ttgtgtccaa aattagctta gatctgataa gcaagatggt aatgacttgc 60
 aagttaaaat aaatgaagcg gaaaaaattg aatcatgttt gtaatctctt attttatttt 120
 ttacatgtgt ataaaatatt aattaatttt tgtgctaata gagttgcgtt ttaattttta 180
 gacttggttg gtttggtttt gaatcctatt aacattgaaa ctccaagtgt tgggactact 240
 aatgtttgaa cttcttaaga tattattttc aagtacattg ttatttggtt caccttttta 300
 ttcgtattta tttttgtca tgtttataat attaatgaat catgttttat tcttttgtat 360
 aacaaat 367

<210> 25182
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 25182

tatttacaaa gtgcaataaa aagcgaagct acttttttac agtgtgttgg gacatttttc 60
 agaggagaat tgattggccg caaagatcgt tgggatatga ttggcatgga atgggaagtt 120
 cgctgaatt aataatgtga actgagaata atagtgtttt cttttccctc catttggttc 180
 ttttggtaat caatgattca acccttgaaa tttattatca agagtaaaat aaacgattgt 240
 atagttaaata agaaataaca attaaatttt accataataa aaaaacaaat aaattttaaa 300
 taactatata ttttaccata catttcttct aaaaaaacc aagttcagag atatcattct 360
 gcactttttt ttaaaatacc ttcacatgaa atatcgagta gtgattt 407

<210> 25183
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 25183

ttgcttggtt cgaggtactt acccgctgaa gatcgaagaa cgatgaagaa cgaatgaaga 60
 acgtcgaaga acggttgaaa cctttgcgaa attcttcacg gaaaacgtta cggaaacggtt 120
 tcggaagcgc ctcggttag attttcttca cggaaacgat tttccaagc aaattcgaaa 180
 gagagagaag tgccaaagg gctgaaccct tttcttcttc acttcctccc ctatttatag 240
 caaatatgg gaggtggatg ccgcccagct cgcccaggcg agccagggtt cttcctccag 300
 aagcaacagc cttctggagg aatattctgg atggcccaag tgggcctggg tgctatttgc 360
 accccattt tta 373

<210> 25184
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 25184

taggtattat ggtttaggga gtgtctttga ctcgttttta ttcttggtt gttgaaagac 60
 agtggttagt tccattctta cgatgcaagt agtttcagaa cagatgatct tgtaaaattt 120
 tcaaagggtt taaatttctt cacaatatca gcctcaattt ttttttgtct ttgttaaaag 180
 aagattcata ctcttggtta ctaactttcc agacttcac tgcttggtag ctctcaagtt 240
 gattgatttc tacatctttt agttgttttg tcttttcac aacatatgta ttgtgaaaaa 300
 gatacttctg agcctcattt gaattgttgg tattcaaaag acttttatat gtccttcaaa 360
 ttcttaattt aaactttgtt tttagttaag agttgatgac attctgatta 410

<210> 25185
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 25185

agtttttatt tttatttcaa gaaggcccta gtacacaata gtttctcaag tacagagact 60

aatctaaggc tgtgtttaca aggggaat ttt acaggatcac ggcttacaaa attttctgtt 120
 catttagtta aacatgtacc agactgtgat gaactagata caaat tttatt aaaatccatt 180
 tgtgcacaat taacacaaaac aaatatatta ggttatcaaa ttcaaaacat caacagtcag 240
 tcaaaataaa tctat tttgaa tgaagagaga tagtctatgc ttctcagtc tatcaagtat 300
 gcaacacatc cttttggcat caagaaagac cattccacat gaaattaagc ctgtctaaga 360
 tagaccatcc cacatgaaat 380

<210> 25186
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 25186
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 aacgacattt atatgtaagg aatcatagga aacgaatttg atacaatcta ttttatttga 120
 aatgaataag agaatcacat tttataatac acttacaaaa aaataatacg aagatagtg 180
 taataattaa ttttgtgttt aaataactaa atattcaaaa taaaaaagtt agctaaaaat 240
 aagttgttaa ctattaatcg aaaagtttca gttaaaaaaa tattttaatc aaaaagttca 300
 atgttttatt ttttataaaa agctgatttc tctgtaaaaa taataaaaag tgataatctt 360
 aaattcttat gtatgatcaa attaatatat catgatttct t 401

<210> 25187
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 25187
 agcttggtact tgccctcttat cccttctatt tgttggcaat ttttcacact cctatgtctc 60
 aacaatagaa tttcatatct accatcatca tccacctct tttcttagaa aaaacaacaa 120
 ccttattgat tgaaaacaca tttattgaga ctcttattag gcatgtaatc atcaaccaac 180
 aaaagctcgt tcctttttct acaatactat tggatttgga ccaagttttt ttgttgtaac 240
 ctctccatga tcgatatctc caccatgaat tgttgtaaca cttgcttcta atcgtgggtc 300
 gcacatttca cagtaatttg agtggtattc agtaatgtgc ttctacactc tcacaaaccc 360

tccagaacct gacaacatc

379

<210> 25188
<211> 419
<212> DNA
<213> Glycine max

<400> 25188

tgccctaatta acctgaaatt gagagaaaat tattatttat cacacaaaat ggaagtacta 60
agtattttatt acctatactt aacagaaaat acttataaca ctacaaaata accataaatt 120
ggaagagttt gaaacaattt acacaaaagt tagtcatatt catcgactaa cagagaccac 180
agttgaaaat gaaatgaatg agaagctagg gttagcaaag gaacaaatac gaaggcggtt 240
ttttaagaaa cccgttggtg tttaactttt caataattgc agaatgtca caatgtcaca 300
ttctaagacg gtttttgata atcgcccttag aatgtgcgtc gtaaaaataa aaaatagtga 360
ttttaattac aaaaatgtca ctgcctcaca ttataagacg gtttttgtat aactgcctt 419

<210> 25189
<211> 377
<212> DNA
<213> Glycine max

<400> 25189

agcttcttta tattcctttc gggtatctca ttagaggctt tggtgaaatc tactatctca 60
ttagaaacat cgatattgaa gtaatcaatg aatctagagg ccaagacaac atgtggaaat 120
tcataatcca ctagtcgaca gctttttaac ataacatctt caatcagaag tacctaattc 180
atgtgaatac ctgatttcag cccatatacg atttgtaagt tgttgtagt aatttgagca 240
tgatttcttg accttggtgc gagagtgtat gtaatgagat acactaacat tctatcttct 300
gcggctaaaa caccaactcc aaggcggttt ctgagattcc ttgttgggtc aagaggcata 360
cctctgcatg tctgcat 377

<210> 25190
<211> 415
<212> DNA
<213> Glycine max

<400> 25190

tgaaagacat gcacaaagtg tgactatatg atgtgggttat tgggtgtagta agcaaagtct 60
 cacctcccc tctaaaattt aattggatta ggcttctacc aattcaatta aatttatttc 120
 ccaacacaca catcaaatat tcacttagtg catgtgaaat tacaaaacta cccctaatac 180
 aaaaactagt ctaggtgccc taaaatacaa gggctgaaaa atcctatatt tctagggtag 240
 cctacctacg ttatggagcc ctaaatacaa ggaccagata taatgacatc ctaatctaata 300
 atgtacaaag ataattggac ccaaccttgg cccatgggct cataaatcta ccttgagggtt 360
 catgagaacc ctacgacctt cttcaacagc tctagcccaa tcctcttagt gcctc 415

<210> 25191
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 25191
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 caactaaggc acaatcttat aggtcgtatg aaagaaagct ggattcaaga acaattaact 180
 actattttgt tggctatgtc gaacgctctc atgatataag ttttacgata ccactttaag 240
 aacctttttt gaaacaagaa atgagagatt tattgagaaa gttgaatttg ggaaagaatg 300
 ttgtctttct ggaataacct cttattgaca gtgtgatgta gctctatatg gagcttgtac 360
 gccttgatc ttct 374

<210> 25192
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 25192
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 gactatctgt tatatatatt ttatttatat atgtgcgtgt acacagtaat agttaatgtt 120
 atagatagta aaagagtgca tgcttaggtg agatgagcta ataatttagg cacaattaaa 180
 gttcaaaaaga tacttatcat tattcattac ttttaatacat tcttgtaag cttgtaagtt 240
 agttgtgtac ctattatcac tctgcatatg tgaaaattat tctttgaaat tctgaatgtg 300

gtttcaaaaa gggttcaagg ccttgggtggg tatccaaaat gttgtatctc tgatcgatta 360
ggaatcagaa tcaagaagca ccaaactaca aaggaagcat gggaattgct tcaa 414

<210> 25193
<211> 375
<212> DNA
<213> Glycine max

<400> 25193
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tgaaaaccaa gagtggccta gtgacaaaac aataacttggg tgttcttaaa ttcaggggga 180
ttctaaggggt tgtggcaaga gtggccttga gaatacttgt aagccataag tgataggaaa 240
aaatacttat tgtaatcaag gttgatcagt ggaaccatt actagttggt aaagaagaac 300
tggaatgtagc tcaggttgag agaaccagta taaaacaaag tatttctact actcttcatt 360
agcttattaa agtat 375

<210> 25194
<211> 416
<212> DNA
<213> Glycine max

<400> 25194
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ctatttttcag attgggaatg cctctaacag cacttttgtc aaggattttc ttcattgctc 120
ttaagtgcag atgtccaaac ctttgatgcc atattctgac ttcattcttct ttggaggata 180
gacatttgga ggagtagctg gtttcttggg gtgtccatag gtaacaattg tcctttgatc 240
tgctgccctt cattagaact tcaactcttct catttgtcac caagcattct gactttgtga 300
agtttacatt gaatccttca tcacacagct gactgatgct gatcaagttt gcagtcagtc 360
ccttcaccag cagtactttg ttcagactat gaagtccatc atgaactagc tttccc 416

<210> 25195
<211> 506
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 25195

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cccacacgcc aacaacagta gaaaaagata gaagagcacg aacaaccaca tacaccaaaa 60
accaggggga ngatgatcat gcaagcagca aanaanagaa ccgggagcac aagccaccgc 120
agcaagaagt ttgccttgcc aaccatcaca acaaggcggc ggcaacatga cacacacca 180
cgtctcaaac aaaaaacacc atatccacca tcatcaaaca ccctcaactg cgaaaacaaa 240
caacgaccgc aacgaacgac aacacacata acgacacccc taacaagcac gaaatcatca 300
accaacaaaa gctcgaacca cgactacaa cactaaggga aacggacca gataaacagc 360
agaaacctca ccatgaacga caactccacc aagaagagca gaacactagc tattaatagg 420
ggatcgacac gcacacaaaa agtagaggga caaccacgaa tgagcataga aactctcaca 480
gacactccaa aaccgacaac aactcg 506

```

<210> 25196
 <211> 499
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25196

```

accacaacaa acactactat aaaaagagag gaaaacgaaa cgaaaacaaa caacaaaaga 60
ggataattga acccgtagac nncaanaann aaaaancang ggcgaaacaaa cacgaaacac 120
aagagaaaaac agtttttacac aaaaggcaan accacagagg ggaccacaaa cgaaaaaacc 180
aaccacacac cgacgagcac aaagaaacac agaagcagaa cgcaaaccac caaaaacgaa 240
agacaaacac aaccacagag gaacaaacac caaccgagcg aacaaaaaga aaaagaagac 300
aacgaaacac acaaacacaa cagaagacaa gagagaacaa aaccgaacga agacagaaca 360
cgcagaagca gaaagaaaac accaaagcac agacagacac cgacaaggaa acaaccggaa 420
acaccggacg aaaaaaaaca aacaagcgcc acaacaaaac gcaccgagaa aacaaaaacg 480
cgaccgcaaa ctaaacacg 499

```

<210> 25197
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 25197

agtttcttgc gtagccgctc ttggtgctca gaaaatccca aaaacaaatc cctcttatta 60
ctagctatatt tgaattcttt agttcctgaa tgtacaacct tcaaattggt gctcgttccc 120
ctctttcttt tctgcaaaaa agaaaatcaa atgctgtcaa aacatggatg aagtcttaag 180
aaaatcaata tcaaagaaaa catggatgaa atcacaatta aaaagcacia ctacctatct 240
ttcaaagtc tttggttaat ttgtcttgct tccttatatg gtgggggttt gtttaataat 300
cttatacttt tgccttccaa aaaaaactta tcactaatcc tcttttcatt aatccaatta 360
tggaatgcta 369

<210> 25198

<211> 415

<212> DNA

<213> Glycine max

<400> 25198

tctaagcaca aatggtgaat ataaaattac tttatctttt atttaatat gttcacattg 60
attattaata tgctttaatt tatgcaaatg ttcaagttgg ttgcaagaag aagaattaga 120
agacttggat tatttggata agaatttgat gggagtcgaa ttcatttttg acaagtatta 180
atttgactat ggatcttgat tctaattctt ttcattgttc aattctaaat atgtatatgg 240
ggattttataa taaattcctc taattctata tacaagaaaa gttctaaggg gggagatata 300
taagttgaaa tggctcatgt acgttggtgc ttaagatttt gggttggata tagtatctag 360
tttacttgta ttatttgctt gaggtcgttt tatagtgate tagtgaatag ctccc 415

<210> 25199

<211> 379

<212> DNA

<213> Glycine max

<400> 25199

tcaagtttga acaaccagat attctttgtc ctaccaattc actgctaact ctaaacaatt 60
caaaatatatt aaagtgtatt tgctcactga ctaaattctta atcgtctcac agatgaatat 120
aaaccctaag caagctctta gtcttttctc tcaagatggt taaagtattt taagagcttt 180
tgatctttac aagaatatat aaaaagcttt ttatagaaaa aattcaaatg ttagtgcata 240

ggttcataac tcattctctt aaagcttcta gtatttatag gcattcttaa gtgttcatcg 300
 tctcaaaatg gatagatttc ttcacgtgag cttgogtccg atgattgtgg ccgttgga 360
 atctaagtgt cgcattaaa 379

<210> 25200
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 25200
 ttcgacgaag agtaattgtg cagtatgcca agttttatatt aaccgagaca tgtaaacgat 60
 gattactaag agtcgatgag ctcatatacc gacgatttca agtcatgcat ccatgtaggc 120
 aattacatgt gatatttttt atctactaac tcgtaagaat tactcgtatt tgaataataa 180
 ctcaactcata aaaaatttagc ttctgtattc ttacaccaa tggctcttgaa gattacttat 240
 attatactcg taatgcatgt atattttttt tacattaaac tgaactaact aagggattga 300
 tgtattgctt tgtacactta cgaggggtgc attgtaacga attttacaat actagtagga 360
 tactttgtca cgttaaatga tggagaggta tatacgatga taaagattat aa 412

<210> 25201
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 25201
 agcttttagt ttttcttaat gcaatttgat cggatcaatgt taatttgta aaaatgtaag 60
 ttggatatcc aaaccaaga cacagaaaaa acaataaaaa aacctactaa tatatgtaga 120
 tttggacctt agtcaatttc aaaatttatc tcatgggata agaattgttc ttactttata 180
 tatttttagag cttaaattaca attttaacta aaaaaaagtg agatcaaaat cagaaaatta 240
 attatgatat ttgaaccgga ggaaaaaaaa acggattttt ttaggtgtca aaaaaacgtt 300
 gtagagttac aatcttatta tgaatactat taatacggct acatttttat taagctccag 360
 tatatttggt tgtgg 375

<210> 25202
 <211> 408
 <212> DNA

<213> Glycine max
 <400> 25202

```

gtgatagagg taaaacttca aaaccttgtc attttttctt tcatcttctt atttcttcaa   60
caattatcat tatgattctc gaattaggca tgttcatggt ggatttttgt tacttggcga  120
tatatgattt ctattaatac ttttttgcac gtcattataa ctattatatt tagttttttc  180
ataagagagg caatgtagtt ttgggacatc aacatgcaaa cctgatggtt gaggattcta  240
tttggatgtg tgccttccaa tatgcaaatc ttgattttca taagggtact cgtaggggta  300
caatgactca tgcgttcacg ggtgagggtc tcttttggtt tgaattattt tactaaatga  360
acatactttt tgcaattttt ctacctaacc aatcaaaata atataatc                   408

```

<210> 25203
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 25203

```

ttgtttgttg caattcttct agacttagag tgataacatg cagtcctctt gatcccttat   60
ctctcactgt ctcgatatgc cgagactccg aaaccacaac aagttttatc ttttccatgt  120
actcgaaaca aaactcagta gcttggtttcg caatgtactt ttcaacaata aatgcttgag  180
gacggtgtag attctttgta taccctttta agatcttcat gtatcgctca accgggtaca  240
tccaccgcaa ataaatggga ccacaacatt taatttccct caccaaata acaattaagt  300
gaaccgtgat gtcgaaaaat gaaggaggaa aatacatctc caactgacac aagataatag  360
tagtctca                                           368

```

<210> 25204
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 25204

```

tgtatgacta ccattggtatc aaaattgaac tctattttac cagaaacact ctcatcagga   60
atgtgatgaa gctggaatgc aaagttcacc actaatgctt catctggact gcagttcagc  120
attgatgtgg tgacaatgga agtccttgat gccactgctc gaagtttgag tcaagttcag  180

```

catttataat ttcattgatg tcttaaaagg taacctgtgg atgtgcagct ggagttgctg 240
 cagcatttag agagctccag tttgtggtgt attgtttgct ttggaagagg ttacatctta 300
 attggtatgg atttttatatt cttgatcaaa gattctgttt gcttagaagc atgtgcagta 360
 aagatagtgg tgtctgtact taaattttgt tgcttgtgct cttg 404

<210> 25205
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 25205
 tgcttcaagt tagaaactat caactactaa ggtttcttct tacaacctta aatcatgcaa 60
 gacaaaaagt tttcccttgt ctcaaaatat gggtagtag tagtgactca ctttgtacac 120
 cttttggggt tctcttcgtt tatggaatct atggagaggg agtgaacctt agacagctca 180
 tggaatccat gtggagattc acatgtgact ttactgtaaa ggccttcttt ctttattttc 240
 tttaacaaaa taatattaaa atctagctac aaatcaaata cacctaaaat tgttgtgttt 300
 tttaaataata tattatgtat tgtaaacaga aatattacaa ggaaaaatat tccttagtaa 360
 tcccag 366

<210> 25206
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 25206
 tagcgcgtag atagagaaaa ggcttagcaa gacatttctc gctaagcgtg tctctaggct 60
 cacttagctg aaatcatgta tcttgagtac acaggagtgg gcgctgagtg taaattaaaa 120
 togetcagcg cacatattgc cgcaaacatt tgagcttagc ggcatggaat aacacttagc 180
 tcaatcaaaa tgaagtttgg ctgcaagaag ttcagcttag ccacaatgat tggcgctcag 240
 ctctatgaac ttcagttata gccgtaaaga gttatgcttg gcaacactga gtcgtgctta 300
 accaaggata aggtatcgct tagtggtttg gttgtcgctt agtcaaattc agatcgaatt 360
 gaagttggct tagctcagcc ttggccagct tagtggacca aatcagcctc agatg 415

<210> 25207

[illegible]

gcttttctgc	ctttgatgag	tgttaaattg	actcaatata	attgttgtag	ttataaacia	60
ttgtacttca	ttataaagag	tttttatctg	caatttaagt	aacacgttta	atcataaagt	120
aatagtatat	acgtactccg	aacaatgggtg	gaaacaaaac	taacaatgat	cgacatggta	180
gttatcggac	taatttaata	gtatgaataa	cacaacaatt	gattcagggg	gaaataaaat	240
aaagtgaaaa	aacttgtgtg	aaagacagat	acactttgat	aaaggggatc	taaattgttt	300
tacaaaacat	gaaaccatat	tcgacttagc	tggaattatg	gttagagtaa	catgcaagta	360
actttgttac	tt					372

```
<223>      unsure at all n locations
<400>      25208
```

tgataattnt	ataacaatgg	aaagagataa	gtgatatatt	gagagatgaa	atTTTggggg	60
agaagagata	gggtttgaga	gaggggggtg	gttattgaaa	aaaaaaagg	agtttgggaa	120
agggtctcgg	gtgtatagaa	tgttagagg	gagagggggc			160

<400> 25209

10544

attttttttc taagaatact

380

<210> 25210
<211> 420
<212> DNA
<213> Glycine max

<400> 25210

taattatttt catctaggca tgacaaacat ctcatcatat tcttttgatg tagcaacttc 60
aaggcttgag ttatgaagtg accaaatctt tgatgccaca accatcaatc atcaattggt 120
gttctcattg caatgttagt attagtagta tattttaagc ttattggaaa acttctattt 180
tctttctcca tttcaacttt gataacacta ctataaaaat agttttttgc aacattgatt 240
ttacgttggt cgatcaataa tcgacttaga aagaaacaca gtggcatttt cataaataaa 300
tataaaagtt ttacgaccgt tttatgaaaa tcaccttaga agactgtcat tctaggatgg 360
tcttataaaa cgccttaga atactatcat tctaagatgg ttttgtaaaa accatttttag 420

<210> 25211
<211> 378
<212> DNA
<213> Glycine max

<400> 25211

agttttgtta cgtatgtgaa actttggcat catcaaaaca ttcagtttga tcctttgtct 60
acatcatatt ctttagtgcc ttccattgaa gaactttaga agctatcaga atttccacct 120
tcaacttgaa cctgtcatat tcttgagtgc cttcccatga agaactaatt ccatcttcaa 180
ttttgtggtg tttgaacaag ttaatatgt gatgaatctg tgttgcttac tgatggaatt 240
tgcggtagac attttagat catggttagg actagagget taggtcttgc cttaggtaga 300
gttggttaata gaggtctggg caaaggggat cgtgatgatt ctgatggtgc tccccagcgg 360
cgaaggccta ctgtatcg 378

<210> 25212
<211> 404
<212> DNA
<213> Glycine max

<400> 25212

tgctaaccca tggaacctcc taatatctcc cacactttgt ggggtgggcc attcttggat 60
 ggccttgaat ttctcagggt ccacttggac cccatttcta ccaactacta aacctaagaa 120
 aactatatta tctacacaaa aggtacactt ctctatattt gcatataggg tgttcgtcct 180
 aaagactgaa agaacttgtc tgaaatgtcc taagtgatca tctaggctcc tactatacac 240
 taaaatatca tcaaaataaa caactacaaa tgtacctatg aaatccttta agacatgatg 300
 cataagcctc atatacgtgc ttggtgcatt agtgaaccca aaacgcatca ctagccattc 360
 ataccaacta aacttgggat tgaaagcact ttttactca tcac 404

<210> 25213
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 25213
 agtttgtcaa ggaggtgaac ttagttataa gaggggtgtg tgtaactaag ctctagcttc 60
 tcaaggaagc ttctcaaaga agcttcttaa ggaagtttct taagcaagct tctcaaggaa 120
 gcttcttaag caagtttctc aaggaagcta cttaggctat aaatagaagc atgtgtaaca 180
 ctggttgtaa ctttgatgaa tgaaagtctt gtgagacaca cttcaaaatt caacttctct 240
 cctcttttct ctecttcaat ttctgtctcc ctccccctc tctctctctt ttttttctc 300
 cattgaagtt tctctctaa gcttcttctc caaggcactc tcttggtggt gaagctcctt 360
 cttccatggc ttattccct 379

<210> 25214
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 25214
 tgaaggcaaa ccggtatcat tggttaactt ggtaacctag ctggccttga atcagaaatt 60
 tgtacctgtc gcaaggggtt gtggtttgtg ctctctgtct gaccaccata cagacctttg 120
 cccttccatg cagcaacctg gagcaattga gcagcctgaa gcttatgctg caaatattta 180
 caatagacct cctcaacctc aacagcaaaa tcaaccacag cagagcaatt atgacctctc 240
 cagcaacaga tacaaccctg gatggaggaa tcaccctaac ctcagatggt ccagccctca 300

gcaacaacaa cagcagcctg ctcttccat ccaaaatgct gctggcccaa gcagaccata 360
cattcctcca ccaatccaac aacagcaaca accccagaaa cagccaacag ttg 413

<210> 25215
<211> 379
<212> DNA
<213> Glycine max

<400> 25215

agcttattta gcgaccgat ttaactaatt tgtgaccgat tgttgtggc actaaatgat 60
gttcttttcc ttgcagtga tgccaacaat atccttgagt tttttttggc atggagaaat 120
gcaatcttga aacctccatg gaaattctga gtttactat ttaattcttt ctttttagcat 180
taggagcgag gctttgagta tgagccttga aataggcaac aaattgggtcc ttaagtaggc 240
ataacttctt tgacacctgc atgggttgcga aagtcttggc tccatctgaa gagcttagga 300
aatttctcac atgtgaacaa ttgcagccca tttatatctt gaattatagg tatgaataca 360
acaacaatat ccacataac 379

<210> 25216
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25216

cgcttncatc tggaaaggc tgccaattag gtgtcttttc aactatatga tcactaacag 60
aaagaaacca ctctatctct cgtcgccaca ttgctttctt ctctgaacgc aggggctcta 120
atctccaaag ttggccaaag agggtagctg caaattcagc aaagaaatga acaacaacaa 180
tcaaagtcaa gaatagcaaa tgaataaaat tcaccacacc aattaataaa aaataaaaac 240
acagtaactg cttcaagtgt gcattttgca taccacatag attggttatg gcatttgaga 300
tagccaaggc tgtagcgacc ccatttccac aacctgacat atcttctcca agtaacaatt 360
ttgcaaacct ctcttcatc atctcaatct ctacaagtga gaatgaaaat caaatctc 418

<210> 25217
<211> 378
<212> DNA

<213> Glycine max

<400> 25217

agtttgtacc gattttacat ggttggagca ttctcacaaa acagtgtgac gctggctggt 60
ctccctatga ttttaccaag cgagagtgtgac ttgacttatt agtgtgtggt ttgtcttgtc 120
atgtactcct aggcgcccga agagattttt cactgtcatg gtaccacatt gcatatagga 180
ttgagtctta gtatatctgt ttcataacgc ttgtgtatca atcgatattg attgatttag 240
tgatattgtg ttttgatcat tgagtacgtg aatgtttgtga aaacgaatga gacgtgtggt 300
gttgtgatgt gatgttgcgc gataaagtgg tgaaataacg tgagctatgc ttaagtaagt 360
tgtattttgt ttatatga 378

<210> 25218

<211> 427

<212> DNA

<213> Glycine max

<400> 25218

tactcacgct tagaaatcaa gtgattaagt gatcataaat tccaattctt tggggagtat 60
gaaatgagtg aatgtaactt tatatcttgc atatactttg cttgtatctt gatttcagga 120
ataaaaattgt catcatcaaa aagggggaga ttgtagaagc aaagactttg actttgatgt 180
tttgatgatg ccatatgaac atgcgcttct caagttaaga tcaagacaaa aatccaagag 240
attcaagata catcatcaag aagatctcta atggtttagg gaggggaattc caaattgaaa 300
cagcaagagg tttggccaat aaatttaagc taaaatgtct ttttcaagag atttactctc 360
tggtaatcga ttaccagagg atgtaatcga ttaccaatgg ccaaaatgat ttataacagc 420
tattaga 427

<210> 25219

<211> 371

<212> DNA

<213> Glycine max

<400> 25219

agctttatgc cttaataaga gccctccaaa cttgggaaca ttaccttggt tccaaggaat 60
ttgtcattca tagtgatcat caatcactta agtacattag agggcaaagc aagttaaaca 120

agagggcatgc aaaatgggta gaggacctag agcaatttcc atatgttatc aaatacaaaa 180
 agggaaaaaac aaatgtggta gctgatgccc tctctaggag acagacattg ttttgctccc 240
 taggagctca aattttagga tttgataata ttagggactt gtatgcttta gatgaacatt 300
 tctctcccat ttatgagagt tgtgggaaaa aggcccaaga tggattctat ttggctgagg 360
 ggtatttgtt c 371

<210> 25220
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 25220

ctcagcttct ataaaagggt cgttcctaata ttctctacaa ttgcatcacc tctcaatgag 60
 ctggtgaaga agaatgtggc atttacctgg ggtgaaaaac aagagcaagc ctttgctttg 120
 ctccaagaaa agcttactaa ggcacctgtt ctagctcttc ctgatttttc taaaactttt 180
 gataatatta gggacttgta tgcttttagat gaacatttct ctcccattta cgaaagttgt 240
 gggaaaaagg cccaaaatgg attctatttg gctaaggggt atttgttcaa agaggggaaag 300
 ctttgcatat cccaaggatc cattaggaaa ttacttggtta aagatagcca tgaggggtggg 360
 ctcatgggcc actttgggat agacaagacg ctctgtcttac tcaaagaaaa gttttatttg 420
 cccc 424

<210> 25221
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 25221

tttgtcttat taaatctata tatggcttaa aacaagcctc ccgtcagtgg taccttaagc 60
 atcatggaca atttcttcat ttgggtttga cgaaaacccc atggatcaat gcatatacca 120
 caaagtcagt gggagtaaaa tatgttgtct tggtttatat gtatatgata ttttacttgc 180
 agccaatgat tgaagtttgc tagatgaggt gaaacaattt ctctctaaga attttgacat 240
 gaaggatatg ggtgatgtat cttatgtcat cgacattaag attcatagag atagaccttg 300
 aggtatttta ggtctatcac aagaaaccta tattaacata atttcaaaga gaatccagat 360

gagagattgt tcaccaagc

379

<210> 25222
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25222

taatagttta tccactctgt tgagtgattt gaatctttgt attcaataaa atattatttg 60
tttgtaaaag tcaagagtgc cttagtata aatagtactt ggggtgtctta tgtgaaattg 120
cttgacaatg tttgaagtgt gttgagtgtt ttggtcatta gctataccat aaatcctaga 180
tgcattgtca tgaaatattg agattggcca tcactataat ttgtgcatg cgagtgggac 240
atcatggcaa gcaaaaatcg aggtcaagag tagttgcctt cgatctcctt ttgggtatat 300
gcatgtctta ngagaactta gtttattttc ttatgtgtaa agatgtatag ttcttttcaa 360
cttcttggtt attgtttgga tacggacata agtataggat gtttcagtga atgcc 415

<210> 25223
<211> 369
<212> DNA
<213> Glycine max

<400> 25223

tcattgatta tattatagga atatatggaa gcaaaaacaa taaccaaacc agaggggggg 60
aggagtaatg ttggaaaata cagtgcgagt aatgaagctc catattggtc taaactccaa 120
aatgggttga gaggaccaca gggtacagat tcacagactc cttgtgttaa agttttggct 180
gcgggtgtcaa accctcaatt agatctgttg ttaaaccac taatagatgt ctgctatact 240
tttgagctcc ttttgacctc caaacatgac cgagtaagac ttagtctgaa taggcgtata 300
ggattataaa aactacaga ttatgcatca ttgttatact ccacaaaaaa aaatacatca 360
tgtattagt 369

<210> 25224
<211> 405
<212> DNA
<213> Glycine max

<400> 25224

tctaatagcct atatatgcat ggcaacaagt atattattct tgtcaattgc accaaaaagc 60
aatggtatag caggaccaca cggccgagtg gcttctgagt gctacagaac ttgaatagta 120
ccacagttta gaatagcagc cgcgataatg ctagaaatag cagtattttg taactggaac 180
cagcacaaca ctttactggg agatatttac aaacaataaa agcagagacc taattgaaca 240
tcacaatata gggctctaca aactacagat taatttaacc caaaatacaa taccttttcc 300
ttgcgactgt cattttgtgt gtgtgaacct attacgacca cattatccgg aagattttca 360
agcttacttt tatatgaatg tgaatcttca tttcctacaa tagac 405

<210> 25225
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25225

agttttgagc caaaatcctg actcaccata aaccttgacc cagggtgaga atgtcaatcc 60
ttaccctcgg aagcaaaaaa gaatagaagg gaaatttcca atcaaagaaa agagaaggaa 120
aattttccaat gaaagaggaa aaaagaaaag aaaggaaatt cccaatcaaa gagtgggaga 180
aagaaaaaga aaagaaagaa aattcccaac caaagaatgg gagaaagtaa aaaggggaagg 240
aagctcctgg tcaaagaaac cagagaggtc tttggaccag ataatatctg aacagtacag 300
aattgtcacc aaatgaacaa aaaggaagga aaggaaacca cgacctanaa tggctttctc 360
cctttaatta ccaaccaa 379

<210> 25226
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25226

taacgtaatn gtctctcaca gtctttagat ttgttttcca atccaatcct tgtgtccgga 60
ctcgtcagcc acttatgata gccaccgacg atcccattac tgcttcccct aagctctctg 120
tcctttcttc acgccgcac ccatgccttg caaactcctt ggagtaccct cgcgttgtgg 180
tcactaaaac cccgtgcgat gaaaggcgtg atgctttcgt ctaatggcgc tcctctcatg 240

gggtagccaa gctgtcttat ggcgagaacg ggattataat taatacaacc ccttgttccc 300
 atcaagggaa catttggaca tccttcgcat gaagatagaa tcttgattct tccttccttc 360
 tagcgaggga accaattaac agacgcccc ccatgctagc caagagttgg t 411

<210> 25227
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 25227

agcttttggat tcagacgcat caagtaacat gaatgattga atcccatacc gtatagcact 60
 agctagctag ctgccttcac ttcacgttca caatgacatt gattcagtgg gccaaagcagt 120
 caactcgggc agaaccaat cggcgccgtt gagttgggcc acgtggccca ccgcctgaat 180
 gatcaacggc cacatgcatt tcctttcggc tactgtgtcc ccaccaacac aacacaacac 240
 aactgtgtct actatgcctg tctctgcaac ccagtgaag tgagagtgg agacagacac 300
 atgaaagaag gactcttttt cttttttcct caaacaagtc aaacaagtc gtaacaaca 360
 ttatg 365

<210> 25228
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 25228

tgctcaccca tcaccgaaag tgagtgttca taatctcatc ttttcatggg gtgtgctgtg 60
 tgagtattca ctgttcattg cagttccatg acaatgttaa agcctttgac ttttttgttt 120
 ttggcttggg tctttcagtt tcctgttggt aatgggtgcac acgcagtgtc ttccttggtg 180
 aggtgttact ttttcttggt tttttctctc caagttttcc ctcaaccaa cagaatgagc 240
 taaaaaatg tggaattttc tctttcttct tccacttcac gtcttccgga tgcttttatt 300
 ttgggtagtt attttggttt ttggatgagt gatatgatta cttatctgac atatagctta 360
 ttctaccaga ttttttgagt gcttctaggc tgctttttac ttgcatct 408

<210> 25229
 <211> 373

<212> DNA
<213> Glycine max

<400> 25229

tgcttacgat cctaataattt ttttctgtaa ttattttagt cctttagttt ttcaatgcat 60
tcattttaaa cactcaattc atcaattaca tcaaatttcc atagatcata tatccaaatc 120
attttattaa actccaatgt gtccaacagt tattcaaatg tctaagaaaa atcaaactcg 180
acacctcaca tcttactaga aaaaagccaa attgtatttt taacatacag aaaaagagga 240
aattatgaga aggctaaacc taataaaagc aacaaaacaa ggattaaaac ttatttcata 300
ttaatttagg aatagcattg attatttccc tatcagtata ttgttaatcc catatagctt 360
tttccctttt ttc 373

<210> 25230
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25230

ntgtggattt ggtcttcgcc agtgaaagga tcgatgtggg tctgtaaaga ggcaaattta 60
gtcatcctgc ttggacgaat gagaaaactg gggcaaatga agaggggtgag gatgaaggag 120
aaacccatgt tgtgactgcc attcctatat ggccgagttt cccaccaacc caacaatgcc 180
attactcagc caataacaac ccatctcctt acccaccacc cagttatcca caaaggccat 240
ccctaaatca aaccacaaaa cccacctacc acacgaccaa tgctaaacac cacttttagc 300
acgaaccgaa gcaccaacca aaaggaatt ttgcagcaaa aagcctgtag aattcacccc 360
aaatttcggt gtcatatgct aaacttgctc tcatatctac tcgataattc aat 413

<210> 25231
<211> 381
<212> DNA
<213> Glycine max

<400> 25231

gtgtttgtct gcttgaagggt aaactagatg ccttggttaa cctggtaacc caactggcca 60
tgaataaaaa atctgcacct gtcgctagac tctgtggttt atgctcctct accgaccacc 120

acacagacct ttgctcttct gtgcaataat ctgaagcaat tgaacaacct gaagcttatg 180
 ctgcaaacat ctacaataga catcctcaac ctcagcagca aatcagcca caacagaaca 240
 attatgacct ctccagcaac aggtacaatc cgggtggag gaatcatccc aaccttagat 300
 ggtcgaatcc ttcacaacag cagcaacaac aacaacaacc ttattttcag aatgctgctg 360
 gctcaagaag accatacggt c 381

<210> 25232
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 25232

ctcagcttca tgatgatgaa tcaagttgat tcaagctggt tttatgataa caaaaagccc 60
 aagagaatga ttgcaagatt gagtcaacaa gttcaagatc aagattaaat caagattaat 120
 ttcaagattc aagaaatgac atcaagaaga ttcaagattc aagattcaag agaagtttga 180
 tttcaagatt caagagaaga tgaattcaag attcaagaga agaaatcaag aagacttcac 240
 aaggggaagta ttgaaaatat ttttcaaaaa acaaacatag cacagttttg tttttcaaaa 300
 gagttttttc tcaaaatttt ctaagttacc agagttttta ctctctggta atcgattacc 360
 aattacctat aatcgattac cagtggcaaa gtttgatttc aaaagc 406

<210> 25233
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25233

agctttggga ttattcacat gagttaacaa gaagcaatga atgatcaatt gtgaaaatga 60
 attgcatccc atacctagat cttctccata attccaccga atttatatgt gtatagatgc 120
 atgcaagcaa ggagtgggtc tgatggttgt tttctgaaaa ggtactacgg cggtcattta 180
 cttgcagcag tgggacaata tgaaaacaat gcattttttg tgattgcata tgcaatagta 240
 aatgttgaag ataaagacaa ttggaagtgg ttcctcacat tgttacatga agacattgga 300
 gactacgaac aatatggctg gaatttcattg tcagacatcc aaaagggtgca attcaattgt 360
 cttgctttga gtaattntga c 381

Figure 1 consists of 12 histograms, labeled (a) through (l), arranged vertically. Each histogram shows the frequency of the number of non-zero elements in the vector of the first 1000 iterations of the algorithm. The x-axis for all histograms is 'Number of non-zero elements' ranging from 0 to 1000. The y-axis is 'Frequency' ranging from 0 to 10. The distributions are roughly bell-shaped and centered around 500, with slight variations in spread and peak frequency depending on the value of α .

tctataaaatt	agaatttttag	tgtaatgaat	aagatttatat	attgatacat	aaaaaaattc	60
tattttctatt	actctaataa	gttgacttta	aagatgttta	cctttaattg	ttaatttctct	120
tcaggaattt	agacgtatca	aggggaacat	aaactcaatg	aggggaacatg	cagagctttt	180
gagttctgtc	agggatgata	ttactgactt	taagggtgaat	catgagtttg	atttgaatta	240
aattacaaag	ctatttttctc	atagctgtac	tagacttacc	ttcttctggc	agacatcagg	300
cagtatgtca	ccaaggatgc	agttactacg	tgagagagct	gccatccatg	gaagtatatc	360
tcatgtaagt	atttataata	tgaaatatga	tgaatttgta	ttcttctact	tgaaattct	419

<400> 25235

<210>	25236
<211>	409
<212>	DNA
<213>	Glycine max

<400> 25236

10555

ttgaattaat tattcctaaa cctttactaa ttaaaaattg actcttcta

409

<210> 25237
<211> 376
<212> DNA
<213> Glycine max

<400> 25237

agtttgtaga attcacccca attctagtgt catatgttga ctgactccca gatctactca 60
ataatgcaat ggtagccata accccagtcagggttccctta acctccattt ttctaaggat 120
acgactcgaa cacaataggt gcttatcttg gaggagtact ggggcattcc gttgagcatt 180
gtatgaccct gaagcgtaag gtgcaaggtc taattgatac atgctggctg aaatttgagg 240
ataatcactt gtgaattctg acattggcaa ggcacactat gtatggggca attttgaagg 300
ttgttgatag atgtctctag tggctcatta gagttttcaa gtttatgcca ttactgtaaa 360
caacagttgc aatgct 376

<210> 25238
<211> 415
<212> DNA
<213> Glycine max

<400> 25238

tgatcggtga atcttgattc ttgaattcaa ctttctctct gaatcttgaa gtgttcttca 60
actttctct tgaatcttga attgagcttt ttgtcatcag ctttgtcatc atctttgtta 120
tcatcaaaac atctttgaat caatcttgat tcatcatgaa gctttgcttc tacaatgtcc 180
ccctttttta tgatgacaac ttatgaaatc aagaaacaca cacacacact ttttcttagt 240
cgatcactca cataaatttc cattctcccc ctttgttttt gaatttatgc ttctcttaaa 300
attaagttga ttactcatgt gagttcttga tttaattcct atttctctcc ccctttgaca 360
tcaacaaaaa gccaaagtgc gtaacaaatt ggaagcattc aaatataact aatca 415

<210> 25239
<211> 379
<212> DNA
<213> Glycine max

<400> 25239

agcttatatt tacaatgaa caaatgtact ctattgtgca caatatacca aatatggccc 60
 tatcgagcac gataagtttt taattacaaa cgaacaaatg aaatgagtat gccatgacag 120
 gttaatatag cagtctacaa atgaacaaag actcaaacac aagatgaaaa tgtaattttg 180
 cactaattaa tccaacacca taattgcact ttattcattt acaagttata gccataggct 240
 agcacaaggt agcagttaac ttgaaacttg tgagtcattc acaatagata gagtaataat 300
 aggccatagc atacagacaa ctgccactaa atgaaaaact aacctggtaa agtccatgaa 360
 ataatccagc ttccaacct 379

<210> 25240
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25240

tcncaaaga agggtaggag tcaataaagt tttaacttat tttgatagca ttgagaggaa 60
 agagaagttt gttccaacat tgacaacatt tgatgaagtg tcagcattaa caacttttga 120
 tgaagtgggtg acaagagaaa tagacgtgga gtctgggtgat tttgttgaag aagatgttaa 180
 gcttaatatg ttggaccggt cgtgggctaga gtgaaaggat tttactgtac aagtcattta 240
 tcaaagttat atatatatat atatatatat atatatataa cataatatag tccaaaattt 300
 aaagtaccta atattttaag ataatttcat ttcagattat gcaatgttat ggaaaactca 360
 tcttatctaa tttatcattc ttatacgcac acggtagtca gctcgtcaat tgtcatt 417

<210> 25241
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 25241

agttttgcgg aaggcttgcc gttgaagttg acccattaat tgccccaact ttcgtaaact 60
 ggtgacctct aagctcttga ttttgacttg ataaaacctc tttttaagcg aaggcttttg 120
 acttgatccc atgttttact aaagtgaaat aaaatctagt gcaatcaaaa ctccgacatc 180
 tatcatgggt ggaatggatg aatgcatgaa gaaatgcata tgacacagat gcaatttacg 240

aatacgggag cccgagaaac tgtctccttc ttagatacaa cgtctagggg tagcaaagtg 300
 ccccaacgta tgtatttaaa acggtgatac ggacccttcg ttggtttgct aaagtgaggg 360
 gatcaaagac ga 372

<210> 25242
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25242

tgtcgaaatt gccatgtttg ggtgagttag tactttctcc attctgtttt agggtttttg 60
 tgatgatgtt tgtaatgttt atatgctgaa attgctgatg gaaatctgtt agagatgaag 120
 ggtagaacta acctaggggt agaaagtgag aatgtgatgt tatgagtgga aaaagagtga 180
 gactttgaga gttaggaaggc taagtctgaa ttctgtggta aatggagggt aaagtgagtt 240
 aatactagct tgaaatgtca tttangacat gtgagaaagg ttaggctgag ctagagagaa 300
 aaacaaatga ccaaagtga ccaagagcca tttctagggc aaaattgggt gttgaagagt 360
 caaattttga tttggtggaa tttttggtgt aaattcaggc tgagcaaggt tag 413

<210> 25243
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 25243

agcttttaaaa tttgaattaa aacgttcaga aactgctggt aatcgattac catatatgtg 60
 taatcgatta cacagtgcaa attttgaatt caaattttta tagctgttgt aaatcagttt 120
 tggccactgg taatcgatta catcctctgg taatcgatta ccagagagta aatttgtttg 180
 aaaaagactt ttttaacttaa attttttggc caaacctttt gctacttcaa ttggaattcc 240
 ctctctatct aatataccct ttctaagact ctagagactg tcttgatcat ccactttgaa 300
 tatctttaat ttctttgtct tgaataaagc tttgagacgc atgtgaacct ttggcatcat 360
 caaaacattc agcttg 376

<210> 25244
 <211> 413

<212> DNA
<213> Glycine max

<400> 25244

ttctcggggc catttcctgc gaaggcaaac atttgtaag ttagttttac cagtgggata 60
ctattcttaa aacaaaaatg acatacaacc tcttcccata aatacaaaaca tcaatgtaaa 120
tttagagcaa gcttatgcmc atatttcctt acaaacgttc tcttgacaa gacattctat 180
taaccgaaaa aaatgcaccc atatacaatc aaggcagctt cgttacctag attatttaca 240
cgtacttcca aggtgtatct gttacttaca tcacacacct ccttggctaa attcacatac 300
atgcatactc aaagcatttt ggggtaccaaa aaattgcaca tgtgcacatc ttggtatttc 360
taacacctat acatacacia acttcatgat gaatcttgac tatctacaca ata 413

<210> 25245
<211> 377
<212> DNA
<213> Glycine max

<400> 25245

agtttcttta ttgccaccct ataaaagatg tgaacaaagc atcagacatc ttcataagagc 60
aaacattggt attttaaact taaactttgt caattcatag taaattttta acaatagtga 120
agttatgttt taaataataa tatagttcta gtaagatatg ggtgtttgcm tgtgtcggta 180
agtgtaccga ttgcacaaag tagtataaaa cggtaagacc gactatcgta tcttcagaga 240
atttgtttca cctagaccat gtacattcga tatgcaagca cttatacgga ttaaaaataag 300
gcaaatagtg agttctgtac tagaaaatct atttgaacat aaacaaaata tataaagtta 360
taaaagatga aaactat 377

<210> 25246
<211> 417
<212> DNA
<213> Glycine max

<400> 25246

tcacacaatg gttcatcact tttctgatgg aagctcaata tatttgtctt agcctggttt 60
cttttttcct cttggaagaa acagtctaaa aacttgtttc caatgtcact ccaagtgata 120
aggctctgag atggatgagt attgagtcac ttcaaggcat tatctcctat gacggaaaaa 180

tggaaaacca tcatatagag attctcctct tcagtttggg tcacccctgt tgtaccacat 240
 tgatcataaa atgtggccag atggttgtat gggctctcat tagctaagct aggaaatgca 300
 tgttgggcaa ggaaagtgat taggcctaac tttagccttt gttgtgtggt tgttgctcct 360
 tggcttagca atgttgaagt atactcgtga accattatca gtgtcatggt ccgcaag 417

<210> 25247
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 25247
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 agaagatgaa gggatgtcag ctgctggtgc aaaagaaaaa ggaacaccag ctgctgtgga 120
 cctgggttttc cttgcccta gaaaattaac tatttgggtca ttcacattcc aacatttcct 180
 tttaatatag gccaagttga tgaccggcct caggctccta taagaagtaa gagcatcaga 240
 tccaactctc cttgtcctgc acaaggctat gattaaagct gggaagccta ggcgagaaga 300
 gttggaatga gccataatgg ttatctatcc aaagatcaag ccgccaatgt tcatgtccat 360
 ccttgtgact aagccata 378

<210> 25248
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 25248
 tgtatgagta cttggaaaga ttcaagaaat tgtgtgcaag ctgtcctcac caccagactt 60
 ctgagcaact cgttcttcaa tatttctatg gggacttagc aacatggaga ggagtatgat 120
 tgatgctgcc aatgggtggaa ctcttggtga tatgaccact gctgaggcta ggaatttgat 180
 tgagaagatg gcttccaact cccaacaatt cagtgcgaaga aatgatgcta ttgttcttag 240
 aggagtcaat gaggtggcca cgaattcatc ttcactact gaaaataaaa agcttgaagg 300
 aaaacttgat gccttgggtca acctagtaac tcagcttgcc atgaatcaga aatctacacc 360
 tgttgcaaga gtctgtggtc tatgttcttc tacagatcac catacagatc tc 412

<210> 25249
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 25249

tatctttag tagagaaagt tggaagagtc agtcttccta cttttattcg ttgaccatag 60
 agtgggtacct gaagatatgt cacgggggtc aggagacctt ggggacgtca ggtgggggtgc 120
 tattgcccac aaccaagctt gaccaatccc gacccaaccc gggcatcgat tacacagtgt 180
 aaattgcagg tttccatgtt ctgaagctgt gtaactcgag tttggcctct ggtaatcgat 240
 taccaatgtt gtgtaatcga ttaccagaga agaaaacctt tgaggcatac cttttaacta 300
 catgtagcgg ttatgggact cattgtgttg tacacgtagt tagatttctc atgaaagagt 360
 ctaccccttt ttctct 376

<210> 25250
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 25250

tattcggtgt agtcccccta tggtagattg ttatatgttg aactctaata tgtagtttag 60
 gcataatctg gtttagcttt tgtgggaggt gttctgtgtg atcattatgg atctgtttgt 120
 ggtttcatat gtagctaata ttggtatttg tccagttttt aatatagaat tatgagctct 180
 atatattggt attctcattg ctgagcgaag acgattcaag cagttcacta tggagtcaaa 240
 ttcttagctt tttatcaatc ttctatagca taggtgcatt gattctcatc cttgtgcagc 300
 ttttggttaa tagtattgaa agatttagaa gatttggtga gtcataagac aaatcagaac 360
 ccttaataat tttgattaga tgtaaataat tacaaagttt ctaaattgag tc 412

<210> 25251
 <211> 168
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25251

tattttctcc ttacgcatt gtgcgggtatt tcacaccgca tatggtgcac tctcagtaca 60

atctgctctg atgccgcata gttaagccag ccccgacacc cgccaacacc cgctgacgcg 120
aacccttgc ggncgcatcn aatataactt ctcataatgc atgctatn 168

<210> 25252
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25252

tctttgctnt gcttatacac ataggaggaa gaattctatc attcataata atcttatccg 60
atttaaataa aattatgtat aagaaaatat acttgtgatg tacaattaaa aaaatcaaat 120
ttgagcaata tttatTTTTtC ttgatcaaaa gtcaaaacta ttcatttctt gacgattcca 180
ttgaggttgt aatgagtaga aaggcaatag gcagaagatg ccattcaatc aatatagtaa 240
ggatatctat tggtttacat ggtgcaagta gacatatata atatggattg aaatttttag 300
agcattgaaa tcaaatacat ttacttataa tatataaaaa catatttcaa ttttaatgca 360
tcaaacctta tagat 375

<210> 25253
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25253

tcctttnttt ggcacagaag attgcaggct ataagatata ttaattgaaa atttgaaaag 60
acaatatgca atgtttgaca acatttttaa gcataatggc cgtttgaaca tataatataa 120
tgttaatgta tctgaatttc tcacatctag ttcaatctta gtggcaactt ttagacaaa 180
tttttaaaag aaatgcccat ggtatacttt gacactttta atttttatta tcaagtaaag 240
ttttatgata ggcttgcaa taaaaaaggc gaagtcattg ttaagtcaaa ttcttcttca 300
tcctctgggt tgctagataa atcaaaagaa ttacatgag taatttcgag ttagtttatg 360
ctgtcagagt tcttaacaga aattttgatc tcttagttga tgcttacact ttggg 415

<210> 25254
<211> 372
<212> DNA

<213> Glycine max

<400> 25254

agctttaaca ttgataggtg ggggtgtttgg aattaagggg atgtggtgat catgggatct 60
agggtggtggt agtccatgtg ggggttggaa tatagaagag tagttgtgaa tgatattttg 120
aattttctaag ggtagagtgt gtataggtga atctagctca agtaaggggtt gggaagttaa 180
tgttgtgaga gaggggtgtg gttagaaggt gagtagatgg aaggaagcaa tggagttagt 240
ttgtaccaat tggaaaatta gaggataagt agatgggggtg gggttagagt gtggggtgcc 300
aagcaaggta aatggggcat tctgacaggt aaataaaatg caaggaatag caaatcagt 360
tgtaatgggt ct 372

<210> 25255

<211> 414

<212> DNA

<213> Glycine max

<400> 25255

tgcttgtggg gcttctatgg aggctggatc tttgagcttc aatgggggtcc tttaatggtg 60
attttccacc atggagatgc agcggaagac aaaggaaaag aggtgagagg aggcaccatc 120
cattaaggaa taagccatgg aagaaggagc ttcaccacca agatgagcct tggataagaa 180
gcttgagag gatgcttcaa tggaggaaaa gaaagagga gagaaagagg gaggggggag 240
cacgaaattg aaggaagaaa aaggagaga agttgaactt tgagttgtgt ctcacaagac 300
tctcattcat caaagttaca acaagtgtta cacatgcttc tatttataga ctaggtagct 360
tccttgagaa gctttcttaa gaaaacttcc ttgagaagct tctttgagaa aact 414

<210> 25256

<211> 299

<212> DNA

<213> Glycine max

<400> 25256

ttcttcaatt ctttgggttg ggtttgttgc aattttttgc aaactcatcc cgatcataaa 60
tgaattgggt cagaataggt taattgggtt tgaatattta aaaaatattt ttttaattct 120
ttctttagaa taataatttg tttttttcac tactagaaaa atactatata acggtgggtt 180

taagacacat tcaaattccaa cgtcgtggaa agtctggttc cataaaaagct gtcttagaaa 240
 aaaactacta ttctaagatg gtgatgcaat catacccctt tccccacagg cattggata 299

<210> 25257
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 25257

tctaattatc aagatcacca gcccaaacaa aattactatg cctttaatcc acatctttaa 60
 gaagctttca tggccaagaa taaatgtgga aagaatttat caccatacca ttaatgatcg 120
 agttgatcaa ttgaactttc cccatgaagg aaagaaagga agttttctag gaataaattt 180
 tagatttgat tttgtcctag gaataaatgg tagagtcaag gcttacctac taaaattggg 240
 actccaaggt aggaaaaaga gaggttcccc accttgaaac ccaagaggga ttcaatttcc 300
 aacattatgt aaggagtcac ggaactggaa aatagcaagc atttgttcgg attaataatt 360
 tggtcagaga cattcccata agactgaaag aggtccatca aagaggagag gttccttttt 420
 agtt 424

<210> 25258
 <211> 325
 <212> DNA
 <213> Glycine max

<400> 25258

agtcttcata ttttatcaaa tcaaattcctt ataatggatt caaataaaca cgaagcggct 60
 attaatattg caaacaggat tactattaat tgtttaatat ttaaataaac aagaaacatt 120
 ttaagtattg aaatattcaa aatctcatgc attattacaa aaatatatta tttccaacc 180
 acttatcatg gattggaatg ttaaatgacg taactgaatg ggacagaaca acatgaaaaa 240
 atacataaat aagatatact cagatcttcc agtcttaaat aaatcaccta aattcaaata 300
 acacgtggat acttattaaa ttac 325

<210> 25259
 <211> 422
 <212> DNA
 <213> Glycine max

<400>

25259

tattgaataa tgttgacaaa tgagattatc cacagattct gttttatacc agggaaaata 60
tgagtagaaa aagaaagaat ttagtcaaaa tgtgccgaaa gtatagcatg attcaattat 120
aaatcacttt tataataatt acttaaaagt cattctaata atgatttggt attagttgag 180
tattatactt acaatgcatg aaaactaaat acaaataatt gtttttttat agatatatag 240
gtcatgggta tgttttacga caaacaattc tactcaagtt ggataggact actgtaggca 300
acaaagaaaa ttgaatgatg tcaattacgt tgttacatac catggaatga cttgaatgtg 360
agggtcaaagg ctcttgtttc cttgaggagg ttctttttaga actccatccc ttgaagcttc 420
ta 422

<210>

25260

<211>

392

<212>

DNA

<213>

Glycine max

<223>

unsure at all n locations

<400>

25260

tttcgattag acgaacagga ncagccgcgg gtcgaaggca cgagcaagac gacgagccaa 60
ggccccgaccc aagcagaaaa gaaagcaggc ccgacaggca agcgaggact gaaaggcaca 120
cgcgggacac caccgacgag cacaaagaga agcaaaacct agcggcgacc caccgacaaa 180
ggccagaaga ggaccacacc aagacatcag cggacaggga agcaagggaagg agggcaaccg 240
actcactgcc cgagacgcaa cgaggaggaa gacagacccg cccatccacc aaagaaagca 300
agaccccccc cgacgacatc aaaggccaag gaaaggcaga cgggactacg cccccaaaaa 360
aaaacccggc gccttaacaa tagcagcaca cg 392

<210>

25261

<211>

274

<212>

DNA

<213>

Glycine max

<400>

25261

cgtctttata ttactttgcc ggaacttata aaaagggtat gattctttca ccgcctccaa 60
aacagtcaga ggtcggtctc aagatttgag agattgaact aactagttag ttctctaagg 120
acataatgca tgccatcaat cccacgaaat ccaaattagt gatagctatt agaaatctga 180

tagtaaagga ggttgaaagt gacctccatc aaattgatct taatactgca atgaacaagt 240
 caaatcgata ccaacatatg ttctatctga tagt 274

<210> 25262
 <211> 477
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25262

gcgtnnccctg aaccctagac ttgengtcac tcgatanacc actgacgcta gcctaattca 60
 cccgatctag ttagacaagg attatattatc gcggaaggtc ttcatactaa atccatatta 120
 actatccaca agggactagt catctgaact tcttatgcac cattcttcta tagaggatgc 180
 cacagcctca tcttttatct ttctgtatac agaagcatgt tgaccgacta gcaaaactca 240
 aacactaact catatgaata catgaataga aagttacgac caccgagagta gcatagttag 300
 tgacactcat gatatgaata gatgtcttga gggagcgta ttgaaattgg atgatccatt 360
 aatttgtaact ataaagaata gacctcattc tccttcttgt ccctctgaaa cttgtgtttc 420
 cctttatgcc tctacatcca ataatcattg cctacettca aactgggtata catggcn 477

<210> 25263
 <211> 533
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25263

gcacaagacg acgagggcaa gcacacggag gagaggagag ggacagaaaa aanaaaaaag 60
 agggaaattg agtcgatgcc tcgcanaccn aaggagaana cgacncggga ccgggggaac 120
 cncaagagnc gaccagcagg catgcaagtt tatacctaag gagaaaacga gaaaaggag 180
 aaaaggcagc tccncgcgca ccgccaaagt aaaaccaaga aggcacaaaa agcctgcaac 240
 caccgaccaa agggggcaag gacacccac gcacagaccc agaagaacta gcggaacacg 300
 caagccacag gagagcccaa aaccacgcg ggtggaagga gcttcaaaaa aagaagccaa 360
 cgaacaccgg cccaacaggc gacacacaaa ggaaaaggcg tacatgccgg acaaggacac 420
 acaccacatg gcaggacgac aaccagccc ccccgacctt acgaacgcac ccggaaggcc 480

aagcaccgga cggagaccaa ccgcagacga gcaggcacag aagacgccga ccg

533

<210> 25264
<211> 520
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25264

ggcgacgata acgagagaag ataacgcgtg acggaagaga aaaaaagtaa aaaaaaaac 60
ggangatgac ccgagacatc gcanncccgn ganataaana aaagcacgcg gcaagcaaag 120
anccgcanca acnncacagc gagcctcatc ccgaggccga aaaaaaaaaa ngggnggggac 180
agccgacaga ccagccggac acaacaacaa aaaggcgagg aaccgggcac aggacaagca 240
accaacccccg cccgtgaaca ggccaccaga caccacaagc aagccgacga ccagccaacc 300
cgcgaggaac aaaatgcacg cagaaaaaag gacaaaggag gaccaggacc gaaccaacag 360
aaaagccagc tacgacacag acagacagaa cggacgcccg accggacgcc agacgccaga 420
gaccgaagaa gaaccacgcc cgacgctcga caccacgcac aaccgaacca caagaaacga 480
acacaagaga aggaccagaa cacggcaacc gacaaggacc 520

<210> 25265
<211> 344
<212> DNA
<213> Glycine max

<400> 25265

agcttctata ggataggcat tctattttac taataacagt atataacagt tcagccaggc 60
tactattcta tccactcttt gcagagtctt catggaccaa agtggctgaa agctgaagtt 120
cttttttggg tagtataggc ttaatttttc agtgcaatct gtcttagtct tactgcttac 180
tctgagtatc attattctat ctaatttatc agctacataa atactggcaa acatgaagaa 240
tgaatttctc tgtatacctg tatgggtgggc agttactgta tccaagagtg tgctgggag 300
ataactagtt gattgcagtc ttattcgtct tggttcaaca acat 344

<210> 25266
<211> 410
<212> DNA

<213> Glycine max

<400> 25266

cacggaaatg gaatccttag atcttcctct gtgcgtgttt aatcttcaca ggatatgttt 60
tccctaggaa gactcacttt catatctaata gatgatacta tttcgtatca tgtgcttggg 120
gtattatctt atatatatgt tgcagttaga atctaataaa catactatct tgattcacgg 180
caagtcttaa tgctcttggg ggataaaata tgagacaact gttattacca gctatgacac 240
tctaactaaa tagggcttat ttacattaac tttcatataa gctccttatt ttataggata 300
ataatatctc aacgtgaagt gctaaaagta gtcaacatgt tactcagtga aaattacctt 360
ctgtattgtc tatttataga agctctcttt taactgctct aacagctgag 410

<210> 25267

<211> 309

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25267

tagtttggag cgctatccgc agactcagca gaagtcagtt gggaaagaaa tcagattatg 60
tgcataaata ttacaccag tgggttattg ataggaccaa gagctttggc ctaccctacc 120
gcttacctag atacctatcg tccaccatcc caccatcacc cttgcctatc ctttttgaca 180
ctaaggaaga gtttcatgaa caattaacca aagaaaggca agataaagaa acttggaaga 240
ggagatgcca ggagctcgag cgagagaatg agactntgaa ggggaagata gcccaacaga 300
gccgtgagc 309

<210> 25268

<211> 415

<212> DNA

<213> Glycine max

<400> 25268

tggtcttgat tttttctaag ttctttaact tgctttttac aatatacttg tccttcattt 60
tactgtcttt gggcttggcg gccacgctca acaaagtatt ttcgacacct actgtacgtt 120
gatttgacca acgctgttat gggaatgttg cgacaatcct tcaaacctt attgatacat 180
tctgagaggt tgggtgtcat gtggccatat cgacatcctt ctctatcata agtcacgtc 240

catttttctt ttgaaatgcg atcaatccat gttgctatgg ctggactcag ttcaacgaaat 300
tattctagat ttgataata aatgtgcttg caaggagtgt aggctgcata aaattagtta 360
tgaataacaa gtttaagtat atatcaaagt ctaataaacg tgaccatgaa atatg 415

<210> 25269
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25269

agtttgtaac tcttggaat tcttttaaaa ctagtcactt aaaaagttat gacttttgaa 60
agaatcttca gaaacaagtc acttgaagaa ttgtgacttt tggaaatgta tttttcanaa 120
tcagtcactg gtaatcgatt accattaagg tgtaatcgat tacacatcaa cagatgtgac 180
ttcattttga atcttgaaaa tcttaaccat ttaaaacact ggtaatcgat tacatgatta 240
tggttaactga ttacagcttt gtaaatcagt ttgaaaaaaa tgctggctac tggtaatcga 300
ttactacctt ctggtaatcg attaccagag agtaaaacac tttgggtaaa aaatttggtg 360
aaaacttcat gtctactca atgttt 386

<210> 25270
<211> 415
<212> DNA
<213> Glycine max

<400> 25270

ttgcggattt ggtctaccgc tagtctaaat tatcgaattg ggtctaaaaa gaggcaaadc 60
tgatcatcat gctttgatac atgcaaaaaa aactggggca cgtgaagagg gagagaatga 120
gggagaaacc catgttgtga ctgccattcc tatacaacca agttttccac taaccaaca 180
atgtcattac tcagccaata acaaaccttc tcttaccba cgcgccagtt atccacaaag 240
gccatcccta aatcaaccac aaagtctgtc taccacactt ccaatgacga acaccacctt 300
tagcacaac caaaaacacc aaccaagata tgaagtttgc agcgagaaag cctgtagaat 360
tcacccta atccagtgtcc tatgtgact tgctccata tttacttgat aattc 415

<210> 25271

<211> 369
 <212> DNA
 <213> Glycine max

<400> 25271

agcttctccc ctatttttct ataaataggg agtgaagtga agaagaaaag ggttcagcct 60
 cttatgcact tctctctctc tcgaaattgc tgaggaaaat tatttccgtg aagaaaatcc 120
 aagccgaggg gcttccgtaa cgtttccgtg agtaattaca cgaagattct cgaccgttct 180
 tcaaagattc atcgttcggt cttctttttc ttcagtcttc aacgggtaag tacctcaaac 240
 cgagctttcc aattcaatct atgtactcgt ggtgggccac ttttgttcc atgtattctt 300
 attctcgttt tcatttgctt tttataccca cttttgacgt ccttaagcca tttatttaag 360
 tcattttctc 369

<210> 25272
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 25272

tgttatccaa ggctcatctt ggtggggaag ctccctcttc catggcttat tccttaatgg 60
 atgacgcctc ctctcacctc ctttcctttg tcttccgctg catctccatg gtggaaaatc 120
 accattaaag gaccccatcg aagctcaaag atccaacctc catagaagcc ccacaagcaa 180
 gcttccatca agtggtaatc agagcacaag agcttcaagt aggtgctcct taaacctcca 240
 ttaatttttt ttctttacct tctgttccat ttttgtttct tcatttttct ccatatatct 300
 cctcacatgt cttgtttctaa atgttggttaa catgattctt tagagtttcc accgattaaa 360
 cttgctatag aagttagatt tgactttcta tgggtcaaaa ttcttgttct t 411

<210> 25273
 <211> 365
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25273

agtcttgatt gaggatgatgc atcacgtatc aatttcactt taaaagcggg tccctaattgg 60
 attcctaatt ttcaacttac ctatatggat gtgacatcat ggcataataag tcccaacttt 120

ccatcgtgga ttcagtcaca aaacaaactt caatatgttg gactgtctaa cacggggatt 180
 ttagattcta ttcccacttg gttctgggaa ccacactctc aggttttgta tttaaacctc 240
 tctcataatc atatccatgg tgagcatgtg actacattac aaaatccaat atctatccaa 300
 actgttgatc taagcacaaa tcacttatgt ggtagattac cctatcttca natgatgtga 360
 tgact 365

<210> 25274
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 25274

tgtaagattt gcaagatcat cttccttgac aactctttga attagattgc cgtcaatatg 60
 aagagataac aatttagaga gtgatcgaag actttcaaat ggatttccaa tgaatttatt 120
 catagagaga tcgagatata ttaatgatga aagttttcca aatgatctag gaagagcacc 180
 accaattgag ttgttgga aaagtaacgt gtcaatattt ttaaagtccc caatatgatc 240
 tgtcagattg cctgaaagtc gtgaactctg aactgcaagt gttgtgagtc catgggaaat 300
 acaacgagca agaatttcta aaagttcatt aacctgttgg ttgagtttga gatatgataa 360
 atctatcacc ctttaagttgc agagagtacc caaagaagtt ggaatcggtc cttcaagatg 420
 attac 425

<210> 25275
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 25275

tcatgatgaa tcaagattga ttcaaagatg tttgttgat aactaagggtg atgacaaaaa 60
 gctcaaaggt caattcatga taatcaaaga atgagttcaa gatgttcaat attgaatcaa 120
 gaacacttca aggttaaaga ggaaatttga tttcaagaat caagaatcaa gattcaaggt 180
 tcaagcttcc agaatacaag atcaagattc aagactctag attcaagaat caagagaaga 240
 cttaatcaag ataagtatga aaagggtttt caaaaactga gtagcacatg gatttttttc 300
 aaaacatgtt taccaagatt ttttactctc tggtaatcga ttaccagatt attgtaatcg 360

attaccagta gcataatgga ttgaaaaag ttttcaaag aattacaac gttccaattg 420
 attt 424

<210> 25276
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 25276

agtttcatta tgatgaatca agtatgattc aagtagtttt gatgataaca aagagcccat 60
 aagaatgatg tcgagattga gtcataaagt tcaagatata aagagaattc aagattcaag 120
 agaagttgat ttcaagattc aagaaaagac atcaagaaga atcatgattc aagagaagat 180
 gaattcacia gggaagtatt gaaacggatt tttcaataac caaacatagc atagttttgt 240
 tttacaaaaa gagttttctc aaaattttct aagttaccag agtatgtact ctctggtaat 300
 tgattatcag tttcctgtaa tcgattacca gtgatatagt ttgatttcaa aagcttttac 360
 ttaattgtgc aacgtcccaa agtttttta 389

<210> 25277
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 25277

tgaagggtgtg tagctcacca tcctttcata gtagaatact ggttatgtgt ctactatcat 60
 tgacatcata ttgttttccg tcattgaggt gccacttgag ctgccatgac tctccatgta 120
 tgggcgtatt cttttgaaag attcgtgcc tctttttgca caatgtcatg agttgcatcc 180
 tatccgaagc cattatatcg aactgccta acgaacgcaa ccattagggtc cttccaagag 240
 tggactcaac aaggttccag gttggtgtac catgtaacag ctaccccagt aagattttct 300
 tggaaggaat gcatcaacaa ttctcatat attgcgtatg ccccatctt ccgataatac 360
 atcttttagat gagtcttggg gcaagtagac cccatgtact tgtca 405

<210> 25278
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 25278

atcttccttt tttggtatca gagcacaaga gttcaagta ggtgctcctt aaacctccat 60
taattttttt tctttacctt ctcttccatt gttgtttctt catttttctc catgtatctc 120
ctcacatgtc ttgttctaaa tgttggttaac atgattcttt agagtttcca ccgattaaac 180
ttgctataga agttagattt gattttctat ggttcaaatt tcttgttctt gttcttgaac 240
catgaattgt gttgagtcta cgttcctttg agttctgtct tgttatattt tgtggctgaa 300
acctaaacca tanaattctt acaaaaatat tanagtagaa gataacctca naaatctaga 360
gtgacttggt caccta 376

<210> 25279
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25279

tgcggatcaa gttttaattt taaaaagtgg caattttggt ataatttatg aaaaatgggt 60
tttattaggg tttaggctta ttttgaggc atttaggctg aagtaaagta tgactgagta 120
atgaaataag tttgatgaag ttgatattgg tttgaaattt ggttttgaag ctttttggtt 180
tgtattgtat aatgcttggt taagatattt tggctgggtg gaatttatat tttgaagggt 240
tcaatgattg acttatacta tgtattgctt tattacttta attgtatcat gtatgctagt 300
gaataacaaa ttgacaatag gaacacaaac tattaagttg tagcgctagt ttgatgtccc 360
tgcttctttt cattaaccaa tgtctagttt tgctaaaagt ntctctact tcagtgtttg 420

<210> 25280
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25280

agtttaatgc atgatttatt ataaaatatt acattatcct acaaatttga acaagaagat 60
tttttttatt aaggatttaa attgttttgg catttaaaaa agcatttttt attacaatta 120

taattttata tttttggtga ccaaataaaa attgaatttt taaatcttta taaaaactat 180
 taatgttcta tatttttgaca attttttatt tttattcatt ttgtatacat atatataaaa 240
 tatttttttg ttttatttta ttgaattata ttcacaacaa tgacccaaaac aataccccat 300
 gcatggcaca natacaaaaa ctagtaataa taaatttggtg aatctatata cagcttgaga 360
 atcaacatgt ngactctagg aagattttca tgcttcata 399

<210> 25281
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25281

tgcagagaan actaaaagaa gaagaatgaa aagaatgcc aattatcaat gaatgaaagt 60
 tagcttacia tgattaaata ttacagttta tatagttagt tacaagatta actaacttgt 120
 agttagttac aagagtaact aacttgtaac taactaactt taactcactc taactaacta 180
 agctaattct aactctagtt acatgataac ttatgctaag agcccccttc aagctaggaa 240
 tgaatgtag acgtgcctag cttggaatac aaaaattgaa aaacaccagg cagcagagct 300
 ttagtgtaaa tatctgcaag ctgatttgca gaggaatatag gaagcaattt cacaagccta 360
 gtcacacct tctcttgaac tatatggcag tcaatttcaa tgtgttntgt tctctcat 418

<210> 25282
 <211> 297
 <212> DNA
 <213> Glycine max

<400> 25282

tcattgcttta tgagaaacca tattttctaa ggtagttcct aaacaaaaat caattgagga 60
 agcttcgcca agtatcccca ttgaaaaacc tatattcata cctctcaaag attatattct 120
 tctttcatct attatactgc attcttactt cctatctgtc cagttgatcc tactccgctg 180
 acctctgata tatatatagc tcaaagatta atactgtctc tgggtctcata tataagcaaa 240
 aataattact tcccatagat taagacagtt agttgaaagc atgaaattta ctaatct 297

<210> 25283
 <211> 411

<212> DNA
<213> Glycine max

<400> 25283

tgttgccctc aacgtgttaa agaatacatg agtattcttt tccctgttct ggtcaagtta 60
agatgttagc caaaacttaa tttgtttcca ttgacaaaa tatttaaatt atccttattt 120
cacttaaaat aaacctcttt actggttgta ctattttata aacctcaaac atgatgcatt 180
gttatttgag tatgattgat ccagctgtcg atgtcattgg cactgagcat ctttcgagg 240
ttgtctctat ttataaaaag ttgtatgatt gtaacatgct gttgttcaaa tatcggtatt 300
gtttcatgtt actagttagt tgcattatga gtgaacctta ttgcccgtt cgagattcga 360
tacatcgatt aatacggata gtttgaatta atcgatgtat tgaatcttga a 411

<210> 25284
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25284

agcttatgct attccaagtt cattaatcat acctttaage cagattgctt ccttcactcc 60
ttcagctaag gccatgtatt ctgcttcagg tgttgaaaga gcaacaattg attattgatt 120
tgctttccaa ctaattgttg taccacacaa agtaaacaca tatectctta aggacttcat 180
tgtgtctaca tttcctgcan aatctgcac tacatagctt gtgattgctg cctcgtgtgc 240
tgtcttcttg taccttaaac cagctttcaa agatccatgt agatacctta gtgtccactt 300
cacagcttcc tagtgtgcgc tgccaggatc tcccatgaat ctgcttataa tacttatagc 360
atgagctaag tcaggctctac tg 382

<210> 25285
<211> 416
<212> DNA
<213> Glycine max

<400> 25285

tcaattgagc ctcagaagtt ccctgtttct tcacattcag catcacagaa atctcctcat 60
tcaataacat catctcaatg gctaaagaat gagaccttct taactccatc tggaggtctt 120

ccactgcttc aatttttagtt tccaaatcag actgacatct attcaggttt tctgtcaact 180
 gttttatctt aaagttccat tcagcttctt tagtctttaa agtagaggca cactctttat 240
 gagtttgctt caaatttctg agcttggacc gcaactttga ctgcgaatat gaagttcctg 300
 ettccttgaat ttgagcttcc tggagttctt tgagggacat ccgcagctct tgattatctt 360
 gctctagctt ctcaatcctg tactttgatt ctttattata tgccctcttt gtcttt 416

<210> 25286
 <211> 364
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25286

agcttatnga tctcaaaciaa ttgctgaaag gctggagcag agatactgta ggtgacttgt 60
 gctttaaggt taagcagctg tagcaaaagt tgaatgaatt ggaagattcc atgtctcacc 120
 aaccttctga ccagcaagtc cttcagttga agaataattca ggctgagcta tgggaaaagg 180
 ctaagttgca ggaatccttt gttaggcaga aatctaaatg gattaaggag ggagatagca 240
 atagctccta tttccataaa attatcaatt tcagtaggag aagaaacacc ttgagggggc 300
 tgatgatgga tggacttgn gtagaatacc ctgatttgat taacgatgaa gttctacagc 360
 attt 364

<210> 25287
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 25287

tccatcatct agtgtcaagg gaaattgtct tgtgttttgg agattgttcg gtgtcgaggg 60
 tggtaacctc gactagtgtg agagttgcag gtttgtgagg catgtcaagc tccccagct 120
 tggaccagtg ttgtttaggc ttcttctatc aagttgtctg ggggtggacaa gcttttgatc 180
 ttgcaagcaa aattagacgt gtcaggtgga tgatgtcctt atatatgacg attctgcctt 240
 tttctgatcg ttggaggatg cattgaagac aaatgtttca ttttgtcttt tgctacaggc 300
 gagtgcaaca cacacgtatt actcttgcac atgtgtcact catggagtgg gcgtgtactg 360
 aagattcaat acgtgggtga gtggagttgc atcatggttt aaaaaattaa ggcacc 416

<210> 25288
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 25288

tcaagtttaa acattcaact tcgagcgtct cgatatatta cgagtctcaa tcaaacatcc 60
 gagaaaaaag ttattgtctt ttgaatttgc tcagacgttc aacattcaat ttcgatcgtc 120
 tcgttatatt acaggactca atcagacatt cgagtaaaaa gttattgtcg tttgaattgg 180
 cttagagctt caacattcaa tttcgagcgt ctcgatatat gatgggactc aatcagacat 240
 ccgtgtaaaa agttattggg cgttgaattg gctcagagct tcaacattca atttcgagcg 300
 tctcgatata tgacaggact caatcagaca tccgagtaaa acgttattgt cgtttgaatt 360
 tcttcagagc ttcaacattc aattttgagc gtctcgta 398

<210> 25289
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25289

ntgagccaat tgaaacaaca ataacatttt attgtttgtc tgattgaggc ccgnagtata 60
 tcgaaacgct cgaaattgaa tgctgaagct ctgagccgat tcaaacgaca atatcttttt 120
 acacggatgt ctgattgagg cctgtaatat atcgagacgc tcgaaattga atgttgaacc 180
 tttgagcgaa ttcaaacgac aataactttt tactcggatg tctgattgag tcatgtcata 240
 tatcgagacg ctcgaaattg aatgttgaag ctctgagcca attcaaacga caataacggt 300
 ttactcagat gtctcattga gtctgaaat ttaatgagac gctcgaaatt gaatgttgaa 360
 cctctgatct aattcatagc acaatatact tttacacgga tg 402

<210> 25290
 <211> 354
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25290

agcttaccag agccatccaa tgatcatgga ctacatcaat ctggtggcgc caacaatttg 60
 ttaatttggtg gggcaagagt actatagaag atcagttgca tcttaagacc accgaactct 120
 aataaaccac aagacaatga tcatgggggt gaggtgcaag tctctcttga tatatacctt 180
 atattatgat acaacaattg atttgaatga agaagattct taatgtggac attggcacat 240
 cagtgcgggt tactttttgc ccaatgttta ttttcaataa gccccatcan gaagatactg 300
 aaaattttta tactgctttg gtgcattata tatggatgta aaatcatgct gttg 354

<210> 25291
 <211> 466
 <212> DNA
 <213> Glycine max

<400> 25291

cggaacatga cccgtaacct gcgacctga tgaactgtaa cactcttcaa tactgctgcc 60
 ctactcatgg gtcagagcac atttttatct ctaatctttg catctgcgaa ggtttaagcg 120
 tgccctcaca ataaatgtgt gaccgattca ccaaacgatg gagttgttcc aacttgacgt 180
 caagaatcac cattctactg cttgaagtag tactatctcc tcaaacagga tgcgatgaaa 240
 tgctagtaga gaagatacaa ctgtcgggtga cattggcgct gtacatgtct cacggaatgt 300
 cacagtgate acgagttgat agttggatcg tgagatccaa aacttaccct gtcgctgaac 360
 catcctacaa agctccgata tgagtgaatc tgcgttgccg gcaccacatg cgcacactca 420
 acataacacg agctcgataa atcctcgaac tattgttgaa tgtccc 466

<210> 25292
 <211> 468
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25292

gcggganttg ttcgtgcatg canaacttga tgccttgana gcccggaat aaactcgcac 60
 gcgcgaaccc ctgagtttat ctgaagcacg caagtttttt gagcgggttg gcgccagaga 120
 gcgagacttc cattcggcat gtactcacia accaagagct agatgtgttt actgttgaac 180
 aacaccataa tctcacaata ttttagtagc gaatctttcc caatgatgga acctcagctt 240

caaaactcgc ctttcataat caacagatgt atgtcccatc ttagcagctc tcacgatttc 300
 gtaactggaa ccagctcgcc attactcagc gtcaactttg aaaccgttcc agatgctcca 360
 cccctagta catcagtcctc actcagcaact ttaataattc aacactactt aaaacccagt 420
 ctatgaagcg accttcacta tgaaagtgac acccctcttt atcatccg 468

<210> 25293
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25293

tacaaaaata tcttcccagc atttagatgt acactttttt gtgggaagaa gcaacaaggt 60
 acctgctgta tgatgatagt tttatatgta aaaaaatgtt gaggcataga caatttagtt 120
 atattatgtt caataactaa tattatatga cgtgatttta acttttctca ggtaatcaag 180
 ttgattatgt attgattgtt aaattagaat gattaaatct ttgacatgaa ccaaagcaac 240
 atcattgggc actctcgtac atgacaaaag aaatatgcat atgtttgatt tctaaagctt 300
 tgtacgcagc caactttaaa tttgagtttc atgaataatg ttgaatttgc tatctgatac 360
 acaggtatata tacgtangtg atagaggagg cctttgttac ct 402

<210> 25294
 <211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25294

agcttgatg attatgggt acccatcaca tgtggtacta ggtggcgatc gggcgatgt 60
 gcacaacaat tctccacatc cacaatcac gtataaaacc accatccct gttgccacc 120
 tccaactgag ctcacgtact cccacgtagc ccttatctc gntcctctta acgccgggtc 180
 cccatcaatc ctcccaagct tccacaacat ccaggcaatt caacatocaa atcatcacan 240
 actaacaac caagcaaat agggcaaagg cagaaaactc tgcccanaac tcanaccana 300
 atcacangct tttctcactt aaagattcag taacatttcc ttctttcaat acgtaacc 358

<210> 25295

<211> 424
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 25295

 ntgcggattt ggtcttcgcc agtgaaagga tcgatgtgga tctgaaaaga ggcaaattta 60
 atcatcctgc ttagacgaat gagaaaactg gggcaaataa agagggtgag gatgagggag 120
 aaacccatgc tgtgactgcc attcctatac ggccaagttt cccaccaaac ccaacaatgt 180
 cattactcag tcaataacaa accacctcct taccaccac ccagttatcc acaaaggcca 240
 tccctaaatc aaccacaaag cctgtctacc gcacttacia tgacgaagac cacctttagc 300
 acaaaccaa gaaacaccaa caaaaaggaa ttttgcagca aaaagcctgt agggttcacc 360
 ccagattccg ttgtcatatg ctaaacttga tcccatatcc actcaataat tcaatggtag 420
 ccat 424

<210> 25296
 <211> 310
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 25296

 agtttttata tacattacgc anaaggtaat ggtttctttc ttttcatttt aagacttcaa 60
 gctgtgatat tttcaattct atggtaatat gtgtgataaa caaacagata gtagacatat 120
 gcaatgtcga acaaataaac aattcagaat tgatcactaa atctacagtt aaaaaataat 180
 ggcaaataata atgttcattt accatttatt aaatagaatt tgccatccaa cgaacaagag 240
 tgtataaaga agaaaactga taaattatgt aacctttttg aaatgtgaac actcagcttc 300
 aatacaagag 310

<210> 25297
 <211> 425
 <212> DNA
 <213> Glycine max

 <400> 25297

 tatatgtttt aggagaatta tgccaaaagg aatgagttct catttcaaaa aggtcgattt 60

gttaataaaaa	acgagagaat	aaataggcaa	gattactatt	ctcaccacgg	aggattttta	120
gataaaaaaa	attgtgaccc	atctaaagag	aaacaaaata	gaaaatcttc	aagaagtgga	180
tgtataaagg	ctatcttgac	aatcaaattg	aagaaattct	ttgagatttt	tccaaaagaa	240
tggcaagttg	tttaatttat	atttgactac	aatcatgaat	tgttgccctc	agagtaagtg	300
cgcttccttg	catcttattg	gaacattttt	gaggaagatg	agaagcaaat	cttgttatta	360
aaagatgttg	acctttcagt	taagcaaata	atgtgtgtta	tggagcttga	gaaaaatgtg	420
atgca						425

<210>	25298
<211>	381
<212>	DNA
<213>	Glycine max

agtttttagat atttataggc ctccttttatt taagtatctg ttgtctctaa atagacacat	60
ttgtttctctt taagctcacg cctgaagaaa atgggtgttg gaggcattaa atgcacgtac	120
ttcttcatgc tgagaaacca ctctntattg ttgggtgtgtt gaacacttta acaggaaacc	180
acttcctttt gtgttaaagt aggtctatgc agtagagctc ttcttttgat ggtgattgag	240
gaatttcaga gcttgacttc atttattctt cataggattc tatagatcct aagagaatgt	300
ctttgcanaa caaatctcag acacaatatt aaatgaaata ttatatgcaa ctttaatgtc	360
gtatcagatc atgattccat c	381

tcacaggcaa gcttccatca gttcttcact taaactcttg catgagtcac gacttgtata	60
ggagacatgt ttttttcttt tcatttcttt cattattttt cttctttcgt cttctcttat	120
attctctctt tcactcttgac ttatttcttc cacttttttc tctttttctt ttctctcttg	180
tttttttttc acaatttaag ggatctttaa tcatttaatc tcctatacaa ggggtactta	240
ggagtagaac cctcaccatt aacactagat gaagaatgaa gactcatgtt ggttcctaag	300

tcgtggttcc atcttggttg gggtttgaaa acaaaaggta aaagaaacta tcattgaaaa 360
tagccaaaat aaacactaca agagggtgtga aagataaggt aaaaactaat tggtaaaaaa 420
cac 423

<210> 25300
<211> 321
<212> DNA
<213> Glycine max

<400> 25300

agctttaatt tgctctgaat ccgcgatgtt gtgcctagtg ccaccctcgc gcttagcgcg 60
agtaagtgga tttagggttag gcgccagttg tgcgctgagc ctggcaagag acaaacgtct 120
cgcttagcaa gctaattctg tgcttagcgt gcaaccttga tccttgtgct cttccagatt 180
cccttgtcac gctaagcgcg ctgaaccac aagggtccgt tagcgcgact gcttctttta 240
gcacttcaag attttagcct cttttgacct gaaattgaac aaatttctca ttaaatacaa 300
tggaaatatc ctagagacag t 321

<210> 25301
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25301

tgtgtgttga gttgggttta tacttttgaa agacttatatt tatttgcgaa caaagagtca 60
cttaaggcgt cggaccttga aatgatttaa attttgaaaa gctgagagaa ttgttaaggc 120
gttgacattt ggaacgatct caagtatat ttgataaact gaagaagttt gggtgtgaat 180
tgattttatc ttgatttttt ttattaactc tcaatctctt tggagacaac ttacaacac 240
tagtgatcgg ttaagattaa attttataaa gaaaacgaga tcaccgatga tagatggaga 300
agatgaatgt gcacataata ataagaggga ccctaaggg tacatagatc acattcaatc 360
cctanaaata aaagtaattg actagtgtga agaacaccga acaagaaacg acatggagac 420
gatc 424

<210> 25302

<211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25302

agcttagatt caatctaaaa gggcatctct cttaattggc ttcaacacga agtgagcttg 60
 ataatctaaa gcaagaaaat gaaaaactcg tttcaagtta taaagccact aattgtgttt 120
 gagtttctac atcttctaata atggatgatt acaaattcctt gcaagatgag tttgaaaagt 180
 ttaaaaaata tcactatgaa gaacatatga agttgcaaac tgagctttcc tatcttgaag 240
 atctgttttag aaaatgaata aaggaaagag taatcttaata cacttactta gtgtgcaaaa 300
 gcatacaatt gataagactg ctttgtggta taacaagcaa actgacattt ctaagagaac 360
 caagtttgta ccccttataa aggtgaaccc anacaaagtc tccaa 405

<210> 25303
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25303

ntcaacacaaa ataaaaacta taaactgaaa tttatattct gattcataag cataaatcta 60
 aattataaaa tgtactaaat ataataat aataaaacta ttcaaaaagt agggaaataa 120
 aaatcctgat cctatcaatg atcctgtgca gagtccatgg catgttcatt caggtccagt 180
 gtagtagtgc ctgatggtga atcctgagaa agaggatgtg ctggcactgg tgcaaatggc 240
 tcaatctgag gagatgatag gtccaacgct aaagtggtag gctctgggtg aggctatgga 300
 gtcacctatg gtgtaactgt tgcaacatcc tcttgtggaa tggctggact agtctcaaca 360
 atgaaaggct ccgatggaat gggctctgag gcctctagaa tgacatcctc ctgggtccggc 420
 tg 422

<210> 25304
 <211> 348
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25304

ttcttttttta ttcaagacaa agatattgga gatggacgat caagacagnt actagagtct 60
tagaaagagt atattaatat aggaagggaa ttcctattga agcagctaaa ggtttggccc 120
agagatttaa gttaaaaagt cttttttacaa gagatctact ctctggtgat cgattaccag 180
aggatgtaat cgattaccag tggccaaaac tgatttacia cagctattaa aatttgaatt 240
caaaatttgc attgtgtgat cgattacaca tatatggtaa tcgattacca ccagttattg 300
aacgttttta ttcaaatgtt aaagcttgta atcgattaca catatact 348

<210> 25305
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25305

ttataagcgc ggggttcggga gacaaagggt atgcgttcgc gatatgcgaa gatgatattc 60
cgagtacttt ggatttggtg cgaccatgcc ctcttgattt ccagctggga aattggcgag 120
tggaggaacg ccccggcatt tacgcaacaa gcataatgta aacctttacg gttntaaaag 180
ctctatagtt gggcctatgc tttagagttt tttcttttgt taaggctttg tgtcttttgt 240
ttttgaactt ataatacaag gatctctctt catctgttcc tggctctctac ccattctcat 300
tcatttgcac gtatacttct ttttctgaaa cggcagatcc gatgacgagt ccccccgaagg 360
tactaatacc tgtgaccgct ctatcgactt cgagcaagaa atgaatc 407

<210> 25306
<211> 395
<212> DNA
<213> Glycine max

<400> 25306

tctagcttga atgtaggaga agattatatg aggagaatga gagatagaac acgaagtttt 60
gtgcctcaaa agaggtctaa acattgaagt gtaattctca aataataaaa gttgaaaaaa 120
tgcacacaca tggcctctat ttatagccta agtgtcacia acaattggag ggaaatatga 180
atttctattc aaatttcact tgaatttgaa attgaatttg tggagccaaa ttctggagcc 240
aaaatttcag taattattat tagtgaattc tagttatggt tcagcccact aatccaagat 300

caagtccaag attctgcact aagtgtgctt aggtgtcatg aggcattgtaa agcatgaagg 360
 acatgcacaa agtgtgacta tatgatgtgg caatg 395

<210> 25307
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25307

tgaaccataa cccgtgaaag tgtgatcttt aactgttagt gaacgactag cnttgagtaa 60
 tggctctttgc atcaatctct gaaatttaga atgaaatgta tgaatgagga catgatgaag 120
 gctatgattg tgtatataca agccagttga ccaaaaagct tacgttgaat gctaattgta 180
 tcctttgcac cctatgtgag ctaaattaca ttttcaaaat tgaaccctga acttaaata 240
 ttatctccag ataccttggt tagattctag gagagcagat agttcaagga aaattacccc 300
 aaatttgggg gatttgattg ggatgtaaag taaaaggtaa agcattagca cacataacaa 360
 ataggttgtg ttaaaaaaaaa ggagaaaaag aaaagaaatc gaagaaaatg tgtattgttg 420

<210> 25308
 <211> 376
 <212> DNA
 <213> Glycine max
 <400> 25308

ttagttttca tgcacatgga atttatctac aaatcttctg aagtcaattt ttagcactcc 60
 ccaaaattct ttaatgaaat tgaagttgaa tccatcaggt ccaggacatt tgtccccacc 120
 acaactccac actgcttctt tgatcttatg atccgagaaa ggagcaatca attcctcctt 180
 ctgcctttgg ttaattgaag agaattgtac tccatcaagg gtgggtctga aaagctgttg 240
 ttcagtgaat ctgttgagaa aaaaaattca cagcttcatt ctttaacttca ttgaggttct 300
 aaatccttac accatgaatg agaatccttt gaagaccata taatgtctct tggaattata 360
 agttatggaa taagct 376

<210> 25309
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 25309

tgtagtagtc atatatatat atatatatat atatatatat ataatacaaca 60
tatacaattc tgaatccatt attgaatata aggcaactac cacaacactg ccaactaggg 120
gtttgacggg ttttgcaaat tgcacccatg ttgttgatc aagaccatac ttcaccgtag 180
gatcagatat ttttctgacc ttcattgtca gcatagacaa atttagaagt caatgacgac 240
ttaaattgcc tctatctaac tgcgactgtt gacatcacct tcttttttgc atcctcacgt 300
tcagggatgt caaatttgca ctgcacaaca aaagggtgta tgtaacagta agtaaatgat 360
tccttttaaaa ctaacttaaa aacaaaatca taagcatgcg tgtatttata accattta 418

<210> 25310

<211> 320

<212> DNA

<213> Glycine max

<400> 25310

atcttgagat gaggaagtgt tttatggtga aacttcctgc ttttattgtt gaccacagag 60
tggtacctgg agatatgtcg cgggggtcag gagaccttgg ggacgtcacg tgaggtgcta 120
ttgccccaaa ccaagcttga ccaatcccaa cccaacccgg gcatagtctg tcagtgagaa 180
cctgtgatgt acctaagcag gcgagctcct ggcagtcaac agataaaagg aattcaagac 240
ctacaagcat ggaggcttgt ggtggctggc cagctgtgaa ttttgtgaat atgtggattg 300
aggcctctgg taatcgatta 320

<210> 25311

<211> 393

<212> DNA

<213> Glycine max

<400> 25311

tatcataatc gattgcactg ttgtttttta tacgatgacg gatttattca tgagtctgtg 60
cctaaattga ttaccatgtg atatattcga ctacttctat ttctataagt gatttgagaa 120
gcatcaaga acactttaat ggactacatt gaggacctaa tccattacat tgtgcttgag 180
aggcttacag gttttgggat gaacacttta atcgattgat aacataatat aatggactac 240
ttgattgaaa gcatcgatta cattgaatat ttagtcgagt ataggcagcc gtaaattggtg 300

tatctataaa tagtcacctt gtgatgtcac ttataagtac aagtcatta agcgtgaaac 360
 tatatgtgct gagataattg agagaataga aga 393

<210> 25312
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25312

agcttgttat ccgagtagac tactccgaga atggtggcat tgactacccc agttgaaatg 60
 ttgacactgt tacctaatgc attcacattc agcggaagcc ttgcagggtc tttaccagcc 120
 actgtctgca cagggttgct taaggaatcg aagtttgagc tcgacacaaa ctctggcaat 180
 atgtggaact gcactaattc gattttcttg ccttcgttta aggagttgag gaagcctgct 240
 ttgaggttgg aaaaggcaga atcatctggt gcaaggatgg ttatgccgcc actcttggtc 300
 gttatgagct gtgagttgat gttgttcattg atttctgtgg ttntgaggag gcggattang 360
 actgagaaca ttnnttgctt tttcaggatt ct 392

<210> 25313
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 25313

tgacactatg aaactcagct ttttaattgct tttgagttat gttgatgctg tgcactgtat 60
 gttttgttaa ttaaaattct ctaggtgttg aatttgcttt tctgtggtgg aatttactca 120
 ggaaaataac ctattgtaca ttttctcctt ttctttcatt tctatctcaa tgtttcctta 180
 aatctttatt aggtggagtt tggctattaa acttcatttt gtttccaaga cacaaccccg 240
 tgcaaataat tatctgcatt gatgtttaaa accaaatttt caatgtggct ttcttctga 300
 atgacttaag ttaaccatat tcttttctga atttttcaga aacaacccag tgcagagtgt 360
 ggagagaaca tttcaactga ctagagctga caaggacttg gtatcaaac cagaatttga 420
 tggttg 425

<210> 25314

agttctatca taaccataca ttatataaat tacattgtga ctattgaaaa ggagaaaaaac	60
agagggccta aggtgatggg ctaaccacc acaccgttat gcttaaatga atgtttatca	120
aacgaagaga acatagacta tatcttggtg gtggggttaag cataactatg ggtataagtt	180
gtggctcgtga tagactataa agtatgacac ttcttatcat ttattcaaaa acaccatatt	240
acttacgaca gtggctgcgt gtatacatac	270

<400> 25315

tctatgactc aacgcggaca attccgcctc tcaattctcc cgattcgctt gcgagtgcaa	60
ctcgttcaact ctccataacc ccaccagaat cttcaccgtg ttggcgtgca tcatcgccgt	120
gcgcccctcg gtgcacacgg cgaggccgca tagaatcagc agcaccggga tcgccaaatt	180
ccccgccacc accatctaga ggagcgtggg gacagccccg agtttaacca attgcaatct	240
gttgctctgc acaagtgaca tatgatacaa cgcgagcgct g	281

<210>	25316
<211>	173
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      25316
```

gatgcggtat	tttctcctta	cgcattctgtg	cggatatttca	caccgcatat	ggtgcactct	60
cagtacaatc	tgctctgatg	ccgcatagtt	aagccagccc	cgacacccgc	caacacccgc	120
tgacgcgaac	cccttgcggt	cgnattgaat	ataactttat	ataatgaatg	cct	173

<210>	25317
<211>	346
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations
<400> 25317

agcttggtgg agttcgctga gaatcggtga aggtttgggt aggggttacga gcctacacag 60
gtggacaaga agaggggtcgc ctttgaaagg aaggagagaa gcctggccca tctacaaggg 120
caaggactac aagtggaaag ggtccccatt tgtcacatca gcaaaagctt tgttggtgca 180
agatggatgc gctaggatca ggtggcggtg atagatgaag aaaccctca agaccgacca 240
aattgggtgc aaccatgtcc tacggacttt gaattngga attggcaatc gttgaacgac 300
ccgagattcc atgacaaatt caatgtaatc caatagttcc acccta 346

<210> 25318
<211> 431
<212> DNA
<213> Glycine max

<400> 25318
acagettgtg caaatcaagt cactcccgca ttttatctct atcatgcatt gtatgttgg 60
ctcgtccttt gtcacgggaa gccggaaggt ccatatcacc ttcttaattg tacacatggg 120
gcactgcacc cccaaatgcg caagtaagaa gagataattt ttcgggctct cgtgtccgta 180
aaatgcattc atatcatgca tcgcataagc atctcttcat aacatcataa tggacatatc 240
ctgcatttgt cggttatcat attccggcct cacattttgc atgagtcatg gcatcatcat 300
gcatatgcgt tcaacaaact ttttgatctg caaaattgca taccatttgt tttcatgttt 360
gctcatcctt gcgttttctt ctacaaaaca aaaacaaaaa agggggaagc gtgaaacttc 420
acactacatt c 431

<210> 25319
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25319

agtttgaagt cacttgctaa tacagggtccc actcccatat gtccccatac aaaacaatat 60
ttatttttac ttgttcgctt ttgataatcc tatgatgta taaaactgt ctgatttgt 120
agcttgtaaa tatggcaaac aaattagatt atcatnttcc caaacaagga ggagagcaac 180

acanaaattg cagttagtag atacagatgt atgtcggagg acctcataga acaacatctt 240
 tgaatggttaa tagatattat attacattta ttgatgatta ttctagaatt tgtagaatt 300
 aattatttaa atccaagact gangtagtta acatattctg gaaatataaa gca 353

<210> 25320
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 25320

gctcaaagtg gaagtctgga agcatgagca tttttccatt tgccttgat cacgtgacca 60
 ccttggtatt ctttacgtaa aatattgcat gtgcgtctct gcaacccgta cactatgtaa 120
 taaagttata agacttcaat ccaaagcctt accttgcttg ttgcatacc ctgcaaagat 180
 agagcgtaac ttggatctca agctatgcta tgctcccagg gtaacaagtg tcagcccaat 240
 gtaaccatct acttatttat gggattccaa cgtgtattgc gaacaaatac aattgtcatt 300
 aatcattagc cttaaagttca tgctatttct aagatctcga aaggatatct cctcggtatt 360
 cggattcttt ggatgtattt ttcttagatt actcatttat ataataacac attcataata 420
 cct 423

<210> 25321
 <211> 311
 <212> DNA
 <213> Glycine max

<400> 25321

agcttgataa caagtgaaaa tgtctgtata atttgtgcca tactgctgat gaaaaccctt 60
 agccaccaac ttggctttgt acttggttaac aatgccatca gagttttctt tcacctaaaa 120
 caccacttg caaccaatgg aagttttggt aggaggata ggaactagac tccatgtttt 180
 gttttaaatc aaggcatcat attcagtttg catagcagcc aaccaagtag ggtcagccaa 240
 ggcttgcttg gtggatttag gttctaaatg ggtcagaata agggtaacgt gaatcttggt 300
 ttgaacaata c 311

<210> 25322
 <211> 426

<212> DNA
<213> Glycine max

<400> 25322

ttgaaatcat aacttcttgt attccacacc atcatgacca tcatagtggg agacaaatta 60
attaatttcc tcttaccact gcaatcatcc cgcacccaat ttaacataaa gtgattcaca 120
gctatctatt aggatgaaaa acagtgaata atttctcttt tccaaatgtt ctttctatgt 180
attatgtttc accgtaaaat tcaataatga atataattaa cagattaaat ttatataaaa 240
gaacttaact ttaattatcg cagaatatat ttctaaaaaa tgataaattt taagtgtgca 300
agttattaaa gttgttggtta atgaaaaaaa tttaaaatta aagaagccca aatccctttt 360
ttttatTTTT ctgataaaaa tctaataaat tgtggtactt tgggtgatgg atcttggacc 420
acaatt 426

<210> 25323
<211> 187
<212> DNA
<213> Glycine max

<400> 25323

ttcctgtttc gggatttatt gctctactca tcgtgtgcag actttgacac cgcgtatgg 60
gctcactcat tacaatgtca tatgactccg catcgttagc gaggcctcgg tccactggat 120
aaccatgatc gcgaaacgtt ttaaataagga ttctttttatc ggaattttctc cacaatcttt 180
acggttc 187

<210> 25324
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25324

attcttgatg tagagaagtt atggattata ccattctttt tatagaatga tctaaactca 60
gcatttttaa acttagttcc atggttgctc cgaatagaag agatgtaaaa acctttttca 120
ttttggacta ttttatagaa tatttcaaag accttaaaag actcattctt atgagcaagg 180
aagtataccc aggtatatct tgaatagtca tcaattatga caaagccata cttttttcct 240

cctagactca atgttctagt tagtccaaat agatccatgt gcaatagatg tataggtctg 300
gaagtggaaa caacatcttt agatttaaaa gaggttntga tttggttgcc ttgctgacat 360
gcttcacaga gaatatgagt tttccaacag atc 393

<210> 25325
<211> 246
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25325

ntatgactat gcaagcacac ggtaggatca gtttatatat ttttcaaaat catttttacc 60
tttcattttc ttttatatca tgcaattgga gtagttatca ttatgtatgt ttatccacca 120
agttttgtca tggatcggt cttcaaattc tcatttagtt gtggagaaaag ccttagaaac 180
aaaaggaaaa ttaggagact gaaaaaaaaa taggaggtga taaagttagg acaaaaaata 240
gtgttt 246

<210> 25326
<211> 181
<212> DNA
<213> Glycine max

<400> 25326

gaagttttct caaagaagct tctcaaggaa gcctcctaata ctataaatag aagcatgtgt 60
aacacttggt ttaactttga tgaatgagag tcttggtgaga cacaactcaa agtttaactt 120
ctctccccct tttctctctt caattttgtg ctccccctc tctatttctt ttctccatt 180
g 181

<210> 25327
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25327

tgagatgagn ttgtgagtga ttgtgagatc tctagatgtg aaggatacat cctcaccact 60
tgtatttttg caatctttca tcttggtctt ctctttattg taaagaaggc ttcttagtat 120

ggaaagctaa atcctctgtt ggatcttccc tgtaggtacc tgatgtaa atatttctat 180
ctatttaatg atgttttgtg tgttctctgt gctatctgct tttcactcca gtatgccttt 240
accttgatca aatagatgca tgctttgtta ggatcattca acagtggaaa ctgggtctgac 300
tctaaagtcc ttgagagtac agggctaagt tgctgtacta tcacgaagaa tcgggggtgcg 360
ataatttagt tgtgtatgtg tgtcttaatg ccggcctggt tgagtttagt cttaca 416

<210> 25328
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25328

tcaagtcttc ttgagaagat tcctaaagaa gctagagctt agctacacac accgccctaa 60
gaactaagct gacctccgtg agatgagaag ctcaagctta caaaagaagt gcctacaacg 120
aagactactc agaatgccct gaaatacaag gctaaaatcc tatactacta gaatggccaa 180
aacacaaggc ccaaaagaag gaaaaaccta ttctgatatt tacaaaaaag agtggatcca 240
accttgaccc atgggctcaa aaatctacct taaagttcat gagaacccta nggcattctt 300
tagtagctct agcccaatcc 320

<210> 25329
<211> 418
<212> DNA
<213> Glycine max

<400> 25329

tgcccagaga aggagtccac ggaggaaatg cttacttctt cataagactg gaaaaaggtc 60
tctaatagact cctctacggc ttcgacataa ggcatagagg atgggcagct caccaagatg 120
tcctctctgc ctgatacgat aaccagatgc cttccacta cgaatttcaa cttttggtgg 180
agtgttgagg gaacaactcc tactgagtgg atccacgggc gcccacacag acagctgtag 240
gggggttaat atccattatt tggaaagtaa cttgacaggt gtgagggcct atctgtattg 300
ggagatcgat ctctccccta acctctcggc ggggtccgct gaaggtgcga accaccattg 360
aactcggctt taagtgggaa gcgttgaatg gtaatttctc cagagtgtgt ttaggcat 418

<210> 25330
 <211> 418
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 25330

ctcgaccggg gatcctctta gtcacctgca gcattttatc ttctagaata atggcctctt 60
 tctaacttct tattcccaga aggaaattca atacataggc ctctattttt taatggagaa 120
 ggttaccact actggaaaac ccgaatgcaa attgttattg aggcaataga cttaaacatt 180
 tgggaagcca tataagttag accttatgta cccaccatgg tggctggaaa tacaacaata 240
 gagaaaccta tacaagagtg gtatgaacat gacagaagat tagtgcagta caatttatag 300
 gctaaaaaca tcattacttc tgccctanga atggatggat atcttacggt ttcaaattgt 360
 agagtgctaa aatatgtggg acactctaca agttacacat gacggaacaa ctgatgtc 418

<210> 25331
 <211> 419
 <212> DNA
 <213> Glycine max

 <400> 25331

tcaagaaaaa gatggcctca gcaaattcct tattttctctg aagggttaatt ctatcaatag 60
 acctccaatc tttaatggag agggttacca ctactggaaa acccgaatgc aaatttttat 120
 cgaggcaata gatctaaata tctgggaagc catagaaata gggccttata taccacacac 180
 agtagaaaga gtttcaatag atggtagttc atcatgtgaa agcataacca tagaaaaacc 240
 tagagataga tggctgaag agggtagaaa acgagtacaa tacaacttaa aagccaaaaa 300
 cataataaca tctgccctag gaatggatga atatttcaag gtttcaaatt gtaagagtgc 360
 taatgaaatg tgggacactc ttcgataaca catgaaggaa ctacagatgt taaaagatc 419

<210> 25332
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25332

tctatttttg gagtgggtcat ggttttaagc cctcangtta gctagtgcac aatgcaaatt 60

accaattacc gaatggagtc tcaccctgtg ttcggatcta ctgaaagtgc atatatgaaa 120
 atgaaagagc tatgaaaaga gatgaaagta tcttttcttt gatgtttggt tgccccgaaa 180
 tagagatgaa agtctttata aatatatata tttctcgtaa aattgatata tatcaaattt 240
 tgattcacag ttagatttgg ataaactaca ttttacaacc tggttgatct tttaggatta 300
 aaattactat atactatata taaattatca caacatagag aaaactgata ctaactataa 360
 aagaatgtca cattataaaa aaatgccaaa att 393

<210> 25333
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 25333

taaatgcaat tttgatctct gtttaccttt ccttatgtta taggagagca ttatggttta 60
 agaaaaattt gtcccaaatt tgggggagta tggttggtg atcttggtg cgggaaaaga 120
 aagtagcagc cacacagaga gccatataat aactagtagc agtaatcata aactgctaaa 180
 ataaaaaaat aataaagata aaagaaaaaa gagaagaaga gaatttcaag aataagttaa 240
 gctctgtgtg ctgttaattg tggtgtaact tcattgcgct tttggcatat caatagaaac 300
 tgggaattaa agaggaaggt gatctaagga tgaatgctct cctagaacct aagttttgca 360
 tcctagaaaa accatcaatt gttttagacc cagcctcatt acaag 405

<210> 25334
 <211> 339
 <212> DNA
 <213> Glycine max

<400> 25334

agcttgtgcc tcttcacgtc tggaatatga atagcatata gatccaaaga cccttaggtg 60
 ctttctgat ggcttcttcc cgttccaagc ttcaatagga gtcttctt ttacagactt 120
 agttggacat ctgttgagta tggttaacagc aatgtagact acttcagccc aaaatgtgtt 180
 aggtagtccc ttctccttga gcacgatct agccatttcc ataactgtgc gaatttttct 240
 ctacagacact ccattttgtt gatgagaata tgcgactgta agttttcgct caatgccttc 300
 atcctcacia aaactttcaa acttgcgaga ggtgtactc 339

<210> 25335
 <211> 199
 <212> DNA
 <213> Glycine max

<400> 25335

gggacttgct tatatatgac aaaatgacta ctatcgtggc gagctacatg ctctgttgga 60
 tcttccctgg gagtacccga tgatgggtata catctatcta tatgatgatg tgatggctgg 120
 tctctgggct atctgctttt cgctccacat gcgctctcct tgatcaatat aggcgagctt 180
 tgttggctct ttcagcaga 199

<210> 25336
 <211> 509
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25336

cgccaagacg aagcaacaca cggaacggac ccaaggacct aaccgtnaca acaagcagan 60
 nataggtcat tgcngcana cnttctaacc ctggaaaccc agggaanaaa accgccccgg 120
 gaccacaagc gaccgcagca gcaagcttgg acaccacacc agagagccga gagacaagga 180
 gacgaccca cagacaccta cccacacgaa ggcccaaggc aagaacccaa acgaagggac 240
 ggtaaaccga gcacacaacc ccgggcgaag caagaatggc ggatgaacca cgcgcggaaga 300
 cgaacaacgc gccaaaccgc acccagggca cgcccacaag ccatcgacgc acaaagcaag 360
 agccggcgcc cagcgaacac acgcaccaag cgaataggac aaggcccgca gaacgcacca 420
 aggcataaac gaacaaaaca ggaaccaaga tccaccaaag gaaaagacac accgcaacag 480
 cgggcgcgga aaaaaaaggc aaaaaaccc 509

<210> 25337
 <211> 342
 <212> DNA
 <213> Glycine max

<400> 25337

tcaacaagcg agaacacgga gggtattatt ttctgtgtga gacgagacag aacgtggtga 60

atcgatctat aagataacta caacccgcat aatccttttg ccacagaatg atgaccact 120
aattcgggtgt aaactgggta ccagtaggtg atagataaga cttaaccttt tgatattttc 180
gatccaagaa agaacctttg gaatccgacg aatagtaaca tcaaaagaaa ctttatttgc 240
tgcgtgccta ttagatacgt ctaccgtact cgctcagtt tctcctatac gcgaattatc 300
ataaggagta agactgaacc taaatctcta gtcgtacaca cg 342

<210> 25338
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25338

atcttatgat antttgtaat gtttccttac taattacggg gatttgattt tttttggatt 60
aattactttt ataataaact caccctcgc aatttttgta ccgtgtggct ggtacctgtg 120
atgatcgtga acccttgttc gcgggagtat aatgacaata gtattggatg agaagtgaaa 180
attctttgtg gagccgccga gtcgacgtga tgacgttgaa attattttgt gagagagtcg 240
tgtcttggtta atcaactcct ccataactgg ctccataatt cttattgttg attcgaagat 300
gtaaatcaca cattgtatta tatgtatgaa caaatttatt ttccattatg ttaatgatgt 360
gtactacggt actatatata t 381

<210> 25339
<211> 296
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25339

tgagagcaat tnctaatact cttctaattt gtatactctt ctatggattt aggcaactaa 60
atcactgctt tatttgtatt cttaatcttt atcattcgaa gagaattata ttctatcatt 120
tgaagaggtc agtttgaagt tcattagtgc tggtaaacag atactctctt catgttgatg 180
atctttaaat aagaattata ctcttcatgt tgcactcttt tgctcgtact ctactctatt 240
tcattcttct gttgaatcta aaacttatgt tcaogacatt tatccaataa acgcat 296

<210> 25340

<211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25340

ttcttgcatt ggaagcatat ttgacaaag acagagcaag ctattcttac aggcggccaa 60
 taggacccaa cctcaatac acgagtggca acagttctat cctagaatg catgttacag 120
 gaaccttcgt gtagctctta gagcacaagg tagctcgggc tatgacaaga catccgagta 180
 gaggcgggga aagccccctc atatatatct gacagctgcc gtgctctggc gtcaggctct 240
 ctctctgcct acagggagtg tgatatgctc tagataacca actatcgctt tcttgacca 300
 cgaaaaggct actgcttaaa tatgcaaaca ctctgtacct gataactga tgacaaaacc 360
 gatggaagaa tgaaagtcct agccgccccg cctagccn 398

<210> 25341
 <211> 302
 <212> DNA
 <213> Glycine max

<400> 25341

ttatcttctc aaggaagttc tctcaaagaa gctacttttg gattttggct caagaaagct 60
 tatgagggaa gctacctagt ctataaatag atacatgtgt aacacttggt gcaactttga 120
 tgaatgagag tcttgtgaaa cacaactctt agttcaactt ctctcccttt ttcttccttc 180
 aatttcgtgc tccccctct ctctttcact cctctttctt ttctctccat tgaagcatcc 240
 tgtccaagct tcttattcaa cgcacatctt ggtggtgaag ctctctcttc catggcttat 300
 tt 302

<210> 25342
 <211> 252
 <212> DNA
 <213> Glycine max

<400> 25342

taccatcacg aacatcgact ccttttccat cattggggag accacctgtg ccgccatata 60
 cctccacctt ttgggcgtga tctttgatag ataccgcccc cttttagcat agttctgtag 120
 tagcatacta tccggaacca tatcaaaatt gtactgatac tgcctaacaa atgccaccaa 180

tagagacctt ccaagaatgg attacggaag attccacgtt agagcacaag taacagctac 240
 cccaatagac ta 252

<210> 25343
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 25343

ctataacact cagcttaaca tctaccactt ccaggtgctg gaactacttt tcatttacct 60
 gtcttgcccc atgcaagttg aaagccttgg tggattaaag catgcctatg ttgttgagga 120
 tgatttctcc atatttacct ggggtcaactt tttcagagag acatcagaca ccttagaagt 180
 attcacagag ttgagtctat cacttcaaag agataaagac tgagtgatca atagaattac 240
 gagtgaccat ggctgagagt ttgaaaacag caagtttact agattctgca catctgaggg 300
 catcactcat gagttttctg cagtcattac accactacaa aacggcataa ttgtaaggat 360
 atacacgact ttgcaagatg ctgctatggt catg 394

<210> 25344
 <211> 334
 <212> DNA
 <213> Glycine max

<400> 25344

agtttgtttt ttttacacaa taaccctata gataattcat ggctactaga taaacgggta 60
 cttacaattt gataagatga taatgacatt atcattaaag ttcatatata ttaatagctt 120
 atcagtccaa tgacccatat gctaagcaag tcgtgtttgc attcctatat caaggcta 180
 gaggaagggt gatgtgtata ttttaacgcc acgtcagttt atggaccca gacagtacaa 240
 attcgaaaaa taatcattgt aagtaaacca aatgtcttat aagatactgc ttttaaaagt 300
 cacattttgt tctctaataca actttaattt tata 334

<210> 25345
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 25345

tcttagttnt agctgatgaa aatgaattcc tggcttcttc attcactcct ctaatgacaa 60

tagcatcatt tttggcgcta cattgctggg agttggaagc catcatctca attaaattcc 120

tggcttcaac aggggtcatg tctccaaagg ctccaccact ggcaacatca atcatacttc 180

tccccatggt actgagtcct tcataaaaat attggagaag aagctgctca gaaatctggt 240

ggtgagggca actgacgcgt agtnttttaa atctctccca atattcatat aggctctctc 300

cactgagttg cctaattgctt ggaatatcct ctttgatggt cgtggtcctg gaagcaggga 360

aaatgttttc taaagaatac tctcttgagg tcatcctggc tcgtgatgga ccttggagca 420

ag 422

<210> 25346

<211> 359

<212> DNA

<213> Glycine max

<400> 25346

atcttttttt gttgccaac tgctattact aatataagag gcccatgatt tacgaagagg 60

gcaacaattc agatggcaag aaagatcgtt tttatagaaa ataaatgagt ttggcggcgt 120

ctaagctcaa ggacttgcat tagtttttct cttcatcaaa tcctttgatt cccatagcta 180

tgagtaacta attccatgtc tgttgggttt ggtgtaatta gactaccttc atctaattgc 240

tgctttttat attcaataaa gcatttgtat tgttcttctt tgtgacctatt gcctctgatt 300

gatcacctaa ttactcgatt catttgtgtc aattgtattt ggaaaaatct atttgcct 359

<210> 25347

<211> 421

<212> DNA

<213> Glycine max

<400> 25347

tataggaagt gaaagaatta gcatgggcag aaatgtttcc gctttgattg gtaaactctgt 60

tccccaatc cctgaataat gtaaagatcc aagtacatta agcatacctt gtattatagg 120

aaacagtaag tttgacaatg ccattgctaga tttatgagct tctgttagtg ttatgcctca 180

gtctatTTTT aattctctat ctcttggtcc tttgcagtca actgatgtgg taattcattt 240

agctaataga agtgttgctt atcctgctgg tttcatagag gatgtcttag ttagagttgg 300
 tgaactgatt ttccttggtg atttttatat attgaatatg gaggagggat tctctcaagg 360
 atcagttccc atcattctag gcagaçcttt tatgaaaact gctagaacta agatagatgt 420
 a 421

<210> 25348
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25348

cgtgaatgat cctgtacntc gaattcttga natatccacg ctatgcttgc ggattgtctt 60
 cccgacaaat tttgattttg tncctaaaga ggcaaaggct attctttctt gcttggacaa 120
 actgaaaaaa ctgtggttna atataagggt gataatgatg gacacacca tgctgtgact 180
 tgtcttcta tacacgacaa tttctctaca tcttattcac catcattact caaccataa 240
 tattcatctt tatattccac agtcatttct cctaaatgtc atccttatat ctcagcatac 300
 ctacttccac aattaatgct aaaccactt tatccaacct aactcctaca aaaatgattt 360
 tgctgaaat cctgttgata cccaattcg gtgcatatct acttgaccat atctatggtg 420
 cctatcctct gtag 434

<210> 25349
 <211> 477
 <212> DNA
 <213> Glycine max

<400> 25349

tggacattga ttgatgcatg acaatcattg agaccctgtg acgccaccg gtgttctct 60
 aaagctcagc ccgcaggctt tctatcttcc agcgacgaa cgattgttct taaccagaag 120
 aatgcaagaa ggaggcgac aactggggag ctccccgca aaggctctgt ctttcttaca 180
 gccgaacgat catccataat aagccttact ataagttcac ctacctaca acagggatcc 240
 attttattat ctctttcaca aatgaacacc tgtacttccc acgtggaaaa caatgctcca 300
 tacctgcatt gcgtgacctc agacatcttg aatgaatat tcaccgatgc atgcgaatca 360
 agagcatgca catttcatga cctaacttta acaacggggt gttaccatca caataccaca 420

atctggaacc aaatatttaa taacctacct tctctgtac caattatcta aataacg 477

<210> 25350
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25350

tatactctct tcatgaatgg agcacattat accacttttg tgctacaagn ggcgccccaa 60
gactatctat atacgagggg tggcgcgatc gacatataaa gcatactcaa caacacacta 120
tatttctcct ccagtatata aacattttct atacctcttc tatgaatcga cacactatca 180
atggcagccc ttaattatga actcatctat aacacaatct caatactaaa catggcgtaa 240
tgcaactgaga tagatgttta ttcaaataat gcatgatcat tggaagataa cgagcagact 300
catatataca ctgggttaaaa catgccctga gcctacgtac aatacccgcg caaccacgt 360
gagatatgca cctatctgta aaatcgcttt acgtcttgta aaccgcacaa ggacatccct 420
tactttgtgt tcatatcact ttaaaacaag catatcacta cttctcttac tatch 475

<210> 25351
<211> 173
<212> DNA
<213> Glycine max

<400> 25351

ggcaaaacaa caccacaatg gattatgatc gatggatgcy ctcaaaattc tcacaaaagg 60
gtaaactcat cactgtcaag atggagctct caaaactatc atgacatgta gagaagaatc 120
aaggagctca agtcacaaaa tgtcaagaac ctgtattttc aaaacaataa ccc 173

<210> 25352
<211> 250
<212> DNA
<213> Glycine max

<400> 25352

agattcatgg atcagattta tgcattatct cttctgtac cttctaagcc attgtccaca 60
aagctatccc aatgtatatt attttaccat ttaaaagccc ttttagccaa acactctgac 120

attctgtctg aacactaact ctaggataag agatttcaac cataccttat gttacgagaa 180
 tgaatgtgct ttgatgggga tcgctatcat ttggtggata atgagattcc cataactctgc 240
 tcctaaacgt 250

<210> 25353
 <211> 216
 <212> DNA
 <213> Glycine max

<400> 25353

ctgatgcaga ctcagagcac tgacatataa agctgcacga aaacgaaaac cgtgacactc 60
 tatggacttt cgaacggtca caaaatatca cacagagggt ccaaaacagc gctttatata 120
 ttcatactct tgaaaacgga cactgggcca ttttcacata tctaaatcgc catgacttta 180
 tatggagagg atataccac gggaagacga attact 216

<210> 25354
 <211> 359
 <212> DNA
 <213> Glycine max

<400> 25354

tctattttct aaacctatgt atctctgcat aagctgggtcc tcttgcacac tccagagctc 60
 tgttctcaaa ataagcactg tgggtgtgtg ggaattgtaa gacctgtgcc ttgataccga 120
 aattcttcac aaaataggct ttaaataggc tctgaagttg caacattggt cttatagcgc 180
 ccctctcgct gagcatgggt aagcgcaatt gggcttagcg ccagtaatgc gctgagacta 240
 tatgaataca cctgctgtgc ataacgcact gatatcgcg tgagagtgtc atcctgatga 300
 agatgcgctg cacttatttt ctatctagct aagcacactg aagctgcgct tgtcgggtgg 359

<210> 25355
 <211> 277
 <212> DNA
 <213> Glycine max

<400> 25355

aagttttgga tttttcatgc caaactcgct cgagtgtggt ttggattgga tgatgcgtat 60
 attctatccc cttaccatag cgcttttggc ataactctgg tgatcactag tatgagcttg 120

aagaaggaaa aatacactca tcgctacttc tgtttatctt gtgctgaatg gagaagagac 180
 agcttcgatt tggtctttta agagaaatga tgatgaggta taacgcttat gttgacaagc 240
 ttaattgaca ccatggatga ctaataccca acccatg 277

<210> 25356
 <211> 479
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25356

tggcntattc ggtcgtggaa tgcannaann ttgatagctt tgactaccca cggcgaataa 60
 gagctcgggtg cccgcggatc ctcttttttt gttctgaagg cacgcaagct tagtttcaag 120
 cggaagaaaa gaaaagcgaa gctgaacgat atgatgacga cagcttctaa ataacgaaac 180
 gaatcgaaag tcgtaagact acaaacttac cagttgtaga acgacgaacg gtgaacaacg 240
 actgacaccc ttatcggata tgctcccaga aacgtattag aaactcacag actaggactc 300
 tcttcatgga aacaattatc tccacccatg acgatgatat gcaatacaaa ggagtccggt 360
 atataagaac aatcctcttg cccctatatc taggataaaa ggcgatgact ctgatgcac 420
 caagcaaggc gctctggaag gaaatctata cgcaggctgt tttttatata gggacggac 479

<210> 25357
 <211> 355
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25357

agttttcaac aagtttcttc acaaataact atcatgaagc agaaaactag caagactacc 60
 catcatatct tccaaaaccc catacccacg aaatttaaga gagaaagaag tccacccaaa 120
 cctgaatttt cgaagtccca ctcgtagcca cgcacttcac gaccccgaaa atgccctcct 180
 ttcgcgattt ggggcagaaa tgatggccaa aggttgaagc tttgcttgga gcttcaatgg 240
 agaatgaaga agaagaaaat ggcaacgtga gggagagaga gagctgtctg anaaagtgtg 300
 gggctgagtg aagagagagn aaagctnntt ggggttttaa taaagggggg tctct 355

<210> 25358

<211> 409
 <212> DNA
 <213> Glycine max

<400> 25358

taatatatcg agacgatcaa aattgaacat cggattctct cgtgaaatta aaatgggtcat 60
 aagttttaac tcggatgtcc gattcaggag cttcacatat cgagatgcac gaaattgaac 120
 aatggaagct cttagagaaat tctaattggc ataaattttc acacggaggt cctattcagg 180
 cgcttaatat atccagacgc tcgaaattga acaatggaag ctctcgagat attcaaattg 240
 tcataacttt tcaactcggat gtccgattca ggtgtatcac atatccagac gcttggaatt 300
 gattagcgga agctctagag aaattcaaatt ggtcataact gttcacacgg aggtcctatt 360
 caagcgctta atatatcgag acgctcgaaa ttgaacaacg gaagctctc 409

<210> 25359
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25359

agttttcttg agaaaacttc cttgagtagc ttctttgaga aaacttcctt gagaagctag 60
 agcttagcta cacacacccc tctcataact aagctcacct ccttgagaag catccttaag 120
 aagattcgta aagaagctag agcttagcta cacatacctc tctaattagct aagctcacct 180
 ccttgagatg agaagctaga gcttagctac acacccocta taatagctaa gctcaccccc 240
 atgacaaaaa acatgaaaat aaaaaaagt ccttattaca aagacaactc anaatgcccc 300
 gaaatacaag gctaaaaccc tatactacta gaatggccaa aataaaaaggc cttgacgaag 360
 ganaaaccta ttcgaatggt cataattttt cacacg 396

<210> 25360
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 25360

tgcatttgga attgcgaaag ccccaactcca tcattttgat tagtacctga catctcaaac 60
 aaacaaatca aacgtaacaa gacaattata gttgctgttt gaatacctca cccactcaag 120

tgtatcacac aattatggct tttctctaata gaaacactct tgccttttac cactctaatt 180
 ccccttgagt tcttaggcaa ttcaagagat tatggccaca acaaagaaca attcaccaat 240
 atgtgtaagg taaggctaga caaggaaaag gttaaccaag aaaaaggcta acaatgtttt 300
 taggcacaaa tgaaggaaat aaaattcaga atttaggaat tcaagtaaca atccttcattg 360
 caaccaatat attaccttaa agagtttttt ttttaagtgc ttcaagcatg aaccattcag 420
 cccaatt 427

<210> 25361
 <211> 401
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25361

agtcttagta taaaagcagt gtcaccacc ctcagattta agtccttgaa catacctggt 60
 tagttcaagt aaaattgccc acagtcatat ttaattatac aggaaactta tcattacaat 120
 ataacaacat gccttattgg caagctaaat agtacaaact acaaacaat aatcatgata 180
 atgattgcat gacattagca aaaggaacaa atcatagagg gcaaagagaa gaagactaga 240
 caaggtcacc accaatgcta tcttagttgc aaatgttcta cgattattca atgaaattna 300
 aagctttgag gtctcattan ttttaataaa ttcacattca caacattgat attatatggt 360
 ggaagtaaca gtgaattaaa gaaaaaatac tatcatatga t 401

<210> 25362
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25362

tgtgtcatgc gatttatata catgaaattg attagtctaa attattattc gaccggtaaa 60
 atatcataaa cattgaaaac atggcccaga aagtcacctc catgaaaagt ttaaagaatt 120
 taactaattc ctataactaa tatatttttaa gagtaaatta aatcataaat ctgcaaatta 180
 aaataaaaaa ctcaaaaaaa gaaaacaact attaaaaaaa tacaataaat aaatatagaa 240
 ttaaaaaaat aaattcataa aacaaaaaaa tggcacattg agaaattggt ttgtgacata 300

ttgtgtagca aaaaaaatta aagctggaca gtgagaaatc ggattanggg caccggattt 360
 tcattggcaa taatgatttg taccactttt gatagataat ttggaacttg tattatttgt 420
 gtaacttt 428

<210> 25363
 <211> 269
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25363

atttctatct tgagctngcc gtatttttta taattattgt agagaaaata actatcatta 60
 tcataatata aactcaagta tcctgcaaaa tttcaaaacc ctgtccacac tgggacctta 120
 attctgctct ttattgcgta tgcattgatta ttattcgctc taaacttga tgcttgcat 180
 cataatgtta tgcataatatt ggtcgacttg atgcaatttt tattaacgtt tggacaacac 240
 tatcgtaact gaccattac atccctatt 269

<210> 25364
 <211> 420
 <212> DNA
 <213> Glycine max
 <400> 25364

gcttaatggc ttaatgagga tggagaggag cacgtaatgt agccttttggg gttggatatt 60
 accattggag ggtacaatga ttaagtccta tgtgatgttg atgctatgga ggccagccac 120
 ttactcttgg ggagaccatg gccttttgat aagagggcta gtcattgatg tttcaccaga 180
 aagatctctt tcgctctca tggcttaaag atcgtgctca aactattgag tccccaagaa 240
 gtgtgagagg atcatagaaa attgagagag aaaattcttc tcgagaagac cgataatgga 300
 aaagagagtc aaacacttga gagttcatat agtgaggaca caaagaggga aacacatgag 360
 agaattatga tgagtgaac acttgaagtg agggagaatt tctagttaca aaaggagagc 420

<210> 25365
 <211> 292
 <212> DNA
 <213> Glycine max

<400> 25365

ttctccatTT tattttcgtg atttgtaaga tgggattttc ctaccatacg aaaatgtact 60
caactatgac actttgctgt agaatacctg aagatgaaat tccaaacttg gataagattc 120
ttccggtact tggtttctac ataacggttt tttggtatat gttagtcaa tagttatttg 180
aaatttaaga ggttttaact ttttttgcct tatctgcaat tttatgaagc ctaagattta 240
aaacaccata attgcatttt tagcaattta accaactact ttttagttag ga 292

<210> 25366

<211> 378

<212> DNA

<213> Glycine max

<400> 25366

gacaaaacat cttaccagct tttttacttt ttatggcata gtacaacata gcgtgcacgt 60
gaagaaatct tatattacaa atattcaccc aagattgttg caatagtatg atctgaacct 120
ttacgttcaa catgatgaaa gctcttataa accaacccca cagcattta aaaggccaaa 180
agcagtagcc tcttcacatt aacctgttct gctgaataag atatcagtca cattcaaaag 240
cgacaagggg tcactcattt cacaactta tagggtaagg gaattaaaac tctagaggct 300
gcattagaaa tcatcacaag aatttagccc aatgcacttg cgtagtattg caattcacca 360
tccatcgtat catgaaca 378

<210> 25367

<211> 400

<212> DNA

<213> Glycine max

<400> 25367

agttttgttg ttggggcagt ttcaggtgaa tcagaaaatg gagatgatac ggacataggg 60
ttggatcttt agcggtagac ctagtggaat cagcgagggt cagtggagaa ggttgacgat 120
tcctttgatg aaagctccct gaatgattta ttatggaaat ttgtgcattc tgattcagtg 180
attctataga aattgcaaaa atagaaattt gttttgatcg gtacatattg ttagaagacg 240
agcaaaatat tttaaggagg ggaatgggtg atgatagatt acgatacctt ttgttagttt 300
acggattatt atgtcatgca ccattctacc cctagttctt agatattcta aaacatatta 360

ttgtcattat aatgataact ttcaatgtat aataacatga

400

<210> 25368
<211> 431
<212> DNA
<213> Glycine max

<400> 25368

taagcttgct aaaatcagtt cctcttttca caaaaaata ctttacatta tagaaaaagt 60
agagtagggt aatcagcaca agcagtcaca ccaaataagca accgaagcaa agaatgagtg 120
agtggaatc tctttcggat aaaaataaat aaataaataa actacagttt atatcctttc 180
aggttaagct ggtatgtcag aaaacaaaga ctagctttcc ttataggaaa caacaaataa 240
tcaactcttat aatggagcaa ataagtcctc tccattttga tttgttcaaa atatacactc 300
tactgtagca ttgggtgtgca gacagaaaag aattcaaaac agaacgaaat gaaatgattc 360
tattttatatt agttcttggt accaccattt ttagtagaac caaaactacc acttcttaac 420
ctcatgtcta a 431

<210> 25369
<211> 355
<212> DNA
<213> Glycine max

<400> 25369

tctagttttt cgtcttacag aatgcaacaa gtttatacgg ataaccactc atgtatttcc 60
gcccgtcagc gtgactcaaa agtcagtatg acagatcttg tgagcgcgga agataacgta 120
aatctccacg tgtcaacggg cttgtcagcc gtgattgacg aatggcgcag aagacgacgt 180
tagtctctgc gtgctatcag gcttttcggg atacagacaa caaaaagttt atacggataa 240
ccactcgggt atttccgccc gtcagcgtga ctcataagtc agtatgacag atcttgtgag 300
cgcggaagat gacgtaaaac tccgcatgtc aacgggcttg tcggccacga ttgac 355

<210> 25370
<211> 414
<212> DNA
<213> Glycine max

<400> 25370

tgttgacatg ttgagattta cgtcatcttt cgcgctttca agatctgtca tactgactgt 60
 tgagtctcgc cgacggccga aaatacccca gtgggttatcc gtataaactt tttgttgtct 120
 ataagacgaa aagcctgata gcacgcagag actaacgtcg tcttctgcgc ccttcgtcaa 180
 tcgcggccga caagcccgtt gacacgtgga gatttacgtt atcttccgcg ctcaacaagat 240
 ctgtcatact gactttttgag tcacgctgac gggcgaaaat acccgagtgg gtatccgtat 300
 aaactttttg ctgtctgtaa aacgaaaagc ctgatagaac gtagagacta acgtcgtctt 360
 ttgcggcctc cgtcaatcgc ggccgacaag cccgttgaca cgcagagatt tacg 414

<210> 25371
 <211> 286
 <212> DNA
 <213> Glycine max

<400> 25371

tttatttttt taactgcaaa agtttttgc t cagacgctaa tcttaaaaga ttgccagaac 60
 ctaataataa ttatgagcag cgtatgaaaa aatgagagat actgcgacgt gaatattatc 120
 tgacacgaca ttgggggtaa cttaaattt gaatagttgc tgggtgataag atcagttgac 180
 acaagaaaat tggagaacta attatggatc tgtgctcaac ctcgaggcca tttataacta 240
 tgcagatgcc aagacacata atttgacaaa ttatcacaac attgat 286

<210> 25372
 <211> 302
 <212> DNA
 <213> Glycine max

<400> 25372

gaaatgggag cgcctaatta tcatgcctag acacatgcta aaatgaagat ttggcaattt 60
 tatgctgaac tggacatgca tgcacctaag cggacactcc agtgacaaga atataaggtc 120
 atgtgatgct agggctcacg atctattacc ttcattttca atccacccaa tgtataaccga 180
 agatgttctt ttcatacaat gtgcggtgaa ccgagatcat ctagggcgca cgggcatata 240
 tcacaggaat cgaccccatg gtgatgacac cacttgttca tattccacta tcgggtcatga 300
 tc 302

<210> 25373

<211> 362
 <212> DNA
 <213> Glycine max

<400> 25373

agcttgaagc actctggctt ttctattcaa agcttgatgc ttctacttgt gatgaaaaga 60
 ttactaacat agaagagaag atgtacaagc tctttgatga atatgccatt gaaaagtcaa 120
 gtccatctat tgcatacacgt tctcaacaac ctactggcta agaagatttc agtctagaag 180
 aaaatctaga gatggatgat ccatacaatg gtagcctttt gtttaactat tgaattgttc 240
 tatgattcaa tccatttgat gtaatgtgtc tcatatattg tcatatgaac atatcagtta 300
 tgtgagcgca aatgctaata tgcgatggcat ctctgaatta cagctctatt cggctgagac 360
 ac 362

<210> 25374
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 25374

ttgatgatat ggtcttcacc gatgaaaggt tcaaagtggg tcttaaaaga ggacaatctg 60
 atcatcatgc tttgataaat gccacaaaaa aacaactatg gcaaataag agggtgagaa 120
 tgagggagaa acccatgctt tgactgccat tactatacac ggcaagtatt accaccagcc 180
 caacaatgtg attactcagc caataacaca ctttctcctt accaccgcc caattattca 240
 caaaggtcat ccctaaatca accacagagt ctgtctaccg tacttccaat gacgaacatc 300
 acctttagca caattcaatt acaccaacca cgaaatgaat ttttcagcga gagagcctat 360
 tgaatttacc ccaattacag tgtcctatgc tgacttgctc ccttatctac ttgataatgc 420
 a 421

<210> 25375
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25375

agcttatagc acaagcaaca taaaacttca aagataccac attcacatgc accaccttca 60

cctttttact ccaaacaacg aataaaacgg tgtcaaaatt aaaacctagc atttatcatc 120
 tatcatccca tgataaaactc attgcactgc acgtgctatt gatataatgt ctctccttcc 180
 tcattntttc cacacatccc caccaaaaata taaataacaa tttcctttnt tttcggcagt 240
 tacattttca ttacgtttcc tttccttgaa cctactctgt aatgtaatca ctagtgtagt 300
 ataattaatt aataatgata nataaatata tcaaacaagc tgcactcaac tgaatttatg 360
 aatattccta atctaaaaat ctgg 384

<210> 25376
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 25376

tctttcgtct aaatgcgact taacaattgt gattttttgg gaagctgatg attgtcctat 60
 actggtacct tctaaacttt tataagatgt tccatgagca tcaacctgct gctcgctatt 120
 catgtgctcc acttgagaag ctgcttcttc tacaatttca ccccttgtct tttcaacaga 180
 atcagttact gatggatgag ctagagtgcc aacaccatta aagtctctaa tctgggacga 240
 actatcattg gtagcgggca atgtaagagg ttgttgaaca gccgaggctg catctttatt 300
 taactcacat ctaatttcta ttgttataga agatccaagg actgattcaa atgcttgcaa 360
 gatatgacct ctgaacttct cggcagtaga tatggccaat tgagaacta 409

<210> 25377
 <211> 359
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25377

agtcttgaga tgaggaagtg ttgaaggggtg aaacttcctg cttttattgt tgaccacaga 60
 gtggtacctg gagatatgtc gcgggggtca ggagaccttg tggacgtcag gtgggggtgt 120
 attgccc aaa accaagcttg accaatcccc acccaaccog ggcatagtcg gtcagtgaga 180
 acatgtgacg tacctaagca ggcgagctcc tggcagtcaa cagataaaaag gaaaacaaga 240
 ccacagagca aggaggcttg tgggtggctgg ccagctgtga antttgtgta atatgtggat 300

tgtggcctct ggtaatcgat taccaagggt gggtaatcga ttacaaggct taaaattga 359

<210> 25378
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 25378

cagctttag aatggctaga catgatacat gtcagggtt gttttggttc aagggtaaaa 60
 gggatgcccc acattatttc catgacacaa atgcaaaaat gatgatttgg aaattttatg 120
 caaaactggg catgcatgca cctatgcgga cactcaagtg tcaaattttt atggatcatgt 180
 gatgctaggg cttaggattt atttcctcta ttttaaatca acccaatgtt tccaaaatat 240
 gttcttttat caatttgtgc attcattcga gtccatttcg ggcgtccggg gaaatttcac 300
 agcattcacc cttcaggtgt agacacgttt tttttctctt caaaaatcgg tcatgatcaa 360
 tgaatttttt tttcgaagaa gagttggaaa tcattctctt tcaaagcat gtcggtt 417

<210> 25379
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25379

agctttcttt caagtcctaa atgacatttc aagctagtat taactcactt taacctccat 60
 ttaccacaga attcagactt agccttccaa cctcacagc ctacctcttt gtccactcat 120
 aacatcacat tctcactgtc taaccctagt gagntctacc cttcatctct aacagttttc 180
 catgagcaat ttccgcatat aaacatcaca aacatcatca caaaaaccct aaaacagaat 240
 ggggatgttt aactcatcca acatggcaat ttcaacaagc tntcaacaag agtcttcaca 300
 aataatcatc atgaagcaga aaactaacia aactacgcat catatctccc agaaccat 360
 acgcacgata tttaagagag aaagaagtca cccaaacct 399

<210> 25380
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 25380

ctcacaaaat atatatagtg tatgctgtat gttagtttaa ataccttaca tgtgcgtgta 60
 tgtggacaaa ataaacactt cacaaaatat atatatgtat gtttaggttag aaagatacct 120
 taaatatgca tgtatgtaaa caaaaaaata cttcacaaaa catatatatg tatgtttagg 180
 tggcaagata ccttggatat gcatgtatat agcaaaaaata cctcacaaaa atatgcacat 240
 gtatatgtag cataatacct catgaaaaaa taagaataaa acaacaggcg cgataaagat 300
 ataaacagat gataatgatt ataaaaaaga aggagaaaaa agaaaaaata agttgtcaag 360
 ctgaaaaacc aacatgcgtt tgaaaagaga tgaacttcaa cttt 404

<210> 25381
 <211> 344
 <212> DNA
 <213> Glycine max

<400> 25381

agtttgatgt tattgaagtg tataaggggtg aaacttcctg cttttatttg atgaccacag 60
 agtggtagct ggagatatgt ctggggggtc acgatacctt ggggacgtca ggtgggggtgc 120
 tattagccaa aacctagctt gaccaatgcc gaccctaccc gggcatagtc agtcagtgag 180
 aacctgtgat gtacctatac aggcgagctt ctggcagtcg gcagattata ggaacacaga 240
 ccacacagca ttgaggcttg tgtggtggct ggccagctgt gaatcttctg tgatatatgg 300
 gttatggcct ctggtaatcg attaccaagg gggtaatcga ttac 344

<210> 25382
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25382

ctcagctntt gagaatttaa aggtatgggt taatttttta tgtacaattt gtgcatagat 60
 aggtttttaa tttatgtggt tcgagatttt tttgtacaa ttattttata taggtgtggt 120
 tgtagattac ataccgagaa ttggagaagt cattttttcc cgtaaagtt ttttattcct 180
 ttttccatcc tgagtgtgtg tgtgattggt atctggtttg ctattttgga gtgaggttga 240
 ttatttggct tgaggagtag attatttctc ctatttttgt agtttccctt agtatttga 300

aaaacttata ctttttgcaa ctgggcatct ctgaattttg tagaatgtga aggtagtgtc 360
 ttgaaacgta ttgagcttca aagggttaatt aggatttacg agtatagaaa gttactccac 420
 tgttc 425

<210> 25383
 <211> 346
 <212> DNA
 <213> Glycine max

<400> 25383

agtttgcttt tcattcttga ttgttttcta tcattcttca tcttgtttgc tatcggtatt 60
 attttctacc acttttacga gctttcaatt gtttatttaa accgttatct ggtttaataa 120
 ttgataaaac gaatttcaac cgatcattag tgttgtaatc tcgtttaatc actgttaaaa 180
 cataatccaa ccagttgttc gtgctgtaac ctcggtgtaa taaaaaaagg caaaataata 240
 ataaaaataat caaaatatct ctgaaaaaat aatagttaaa ttatcaagaa aatcgatcgg 300
 acattttact ttcaaagttt acttcacatg agttgataat aaccca 346

<210> 25384
 <211> 280
 <212> DNA
 <213> Glycine max

<400> 25384

tgctctcacc tcattttctt cgtgaccoga tgctactaca aggaggagga tcaccaatgc 60
 aagaccgtga atgcgcgcac ctatgcagcc actcataaag tccctacata cgggcatgtg 120
 acacaacggc taatgattca taacgactgt atgcaattaa cgcaccgtta tgaatacctg 180
 ttgatataac atatgtggga atcatttcta ctattattg gcgaccgcag aatacttgca 240
 acgcttgctt ctttaggatc acaaccgtca tggaaatcgga 280

<210> 25385
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25385

agctttgtta ttctctgtt ttagctntac ccgattttac tcaaccattt gaagttgaat 60

gtgatgctag tggagttggc attggggctg ttttgatata aaacaaaagg cctatagctt 120
 atttctcgga gaaattggga ggagccagat tgaactattg cacctatgac aaagagttct 180
 atgccattgt gagagctctt gatcattgga atcattatct gcgttctaata cactttatat 240
 tgcattcaga tcatgagtca ttgaagtata tcaatgggca gcagaagttg agtccaaggc 300
 atgctaaatg ggttgaattt ctccaatctt ttaatttctc tttcaaatac aaggatg 357

<210> 25386
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 25386

ctgagcaaat tcaaacgaca ataacctttt tactctttat gtcggattga gtcccgatat 60
 atatccagac gctcgaaatt gaatgttgaa gctctgagca aattcaaacg acaataacct 120
 ttttactcag atgtcggata gagtcccgtata atatattgag acgctcgaaa tggaataaccg 180
 aagctctgag caaattcaaa cgacaataac tttttactcg gatgttcgat tgagtcccgt 240
 aatataatcg aacgctcgaa attgaatgtt gaagctctga gcaaattcaa acgacaataa 300
 atttttactc ggatgtccga ttgagtctcg taatatatcg agaagctcga aatggaaaac 360
 caaagctctg agcaaattca aacgacaata actgtttact cggatgtctg attgagcccc 420
 ata 423

<210> 25387
 <211> 210
 <212> DNA
 <213> Glycine max

<400> 25387

agctctgacc cgggatgcgt agagttaact gcaggctgcg gttttattgt gtaatctcga 60
 gcagttctac ataaaaggcg cctgaacaga cccctagag aagagacacg accatctgaa 120
 gtgctcacga gcttcattg ctcaatttgg agcgtaccga tatatgatgc gccatagttc 180
 gacctgggaa cgaaaattga tgaccatacg 210

<210> 25388
 <211> 415

<212> DNA
<213> Glycine max

<400> 25388

tactcaagct tcatgagaga gtcaaagatc aaattgagag gaaaattata atctatgctt 60
aacaagccaa caaagggaga atgatggttg tcttcgaacc cggagattgg gtttgggtgc 120
acatgagaaa agaaaggttt ccggaacaaa ggaaatcaaa gcttcaacca aggggagatg 180
gaccatttca agtgcttgaa agaataaatg acaatgctta caaagttgag ctgcccgggtg 240
agtataatgt tagttccacc ttcaatgtct ctgatttata tctttttgat gcagatggag 300
aatccgattt gaggacaaat ccttctcaag agggagagaa tgatgaggac atgaccaaga 360
gcaagggcaa ggatccactt gaaggacttg gaggacctat tgatgacgac atgac 415

<210> 25389
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25389

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gagctccaac cctataacgc aacgtggcaa acaaaagtgg gcagttaact tgaatgggtca 120
tcattgtcaa tgcggaaggt attcagcgt tcaactatcca tgttcacaca ttattgcagc 180
tggtggttac gtgagcatga actactacca atatatagat gttgttatac aaacgagcac 240
atcttaaaaag cttactccgc acaatggtgg cctcttggga atgaagcggc tattcctcct 300
tctgatgacg catggacact tatctctgac ccaactacaa ttcgttcgaa aggtcgacca 360
caatcaacat ggataagata tgaga 385

<210> 25390
<211> 410
<212> DNA
<213> Glycine max

<400> 25390

tattgaggaa gcctcttaat gaagcttctt aaggattcta catgaagctg cctcggtaaa 60
aacgcttcac agcctttggt aaccgttgga tcttctcgaa atttggtttg cagctttaca 120

agatacatgt ccacaatctg accgttggga tctcagagaa gatgtctgga gtatgctcga 180
agcttccatt cccgagagca tttcttattc aagcatttca gcctttgctt tegtgtagct 240
tagaaaaaac gcaatttctt ctcctttctt tcttccaaag ccattttctaa tgtcccaatc 300
actttctcca tcaccataa ccaccattag ccaccacaaa ccatcgttgt tctccattga 360
aaccacacac tgagaggaac ccttcaaccg aagcggaatc atccaacttg 410

<210> 25391
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25391

agtttcagta aaaatcttcg tgctttgccca tcatgacatg tcttagattg actcctactt 60
ttagccatag acttaggttt ggaaaatcta tttagttgct tccctgttga ggctaagcag 120
ttcatctgag tgagtctgtt ctagaaagcg ccttacattt tggttaagctg ggttgttgcc 180
aattctctag gaagtttttc tactgaaatt tattgtttta attaatctgc angtccttgc 240
attatttgac aacaattaag tccctaaatt ttttttttca attgggtcct tgaactcgta 300
tttgtttttt aattaggtcc ctcatttaaa atagttcagt ggcctattta aacattgcc 360
tagttcaggc cctaattaaa aataatcaaa 390

<210> 25392
<211> 414
<212> DNA
<213> Glycine max

<400> 25392

tggaacatga gctgaagcat ctaagctttt cacttacttt ttggactgcc tctgatgga 60
ggtgatgctc ccaaatacaa aattggattg aactggggca gggtgctgac ttgagtggag 120
gtagagggtg ctgctgtctg agtaaagtga aattgatgag ttgatgcgct ggataactgg 180
cgaaagtaac agatgcagtg gatgactatg atgtattaaa tgtggagcca aatgtagact 240
tggtggactg ccaactaaag tataacttgg accacattgg agctaacaga ttacaccggc 300
gaagagggag ,cagaggtgcc aagtttaaaa gatgtggccc gacttgtata acgaaacaac 360
taatgcccag aaacaaaagc tgctgcaggg ctagacttca aatgattag tact 414

<210> 25393
 <211> 291
 <212> DNA
 <213> Glycine max

<400> 25393

agtctgtagc caactggatg cattgggttaa cttggtaacc cagctggcct tgaatcaaaa 60
 atctgtacct gtcacaaggg tttgtgggtt gtgctcctct gctgaccacc atacagacct 120
 ttgcccttcc atgtagcaac ctggagcaat tgagcagcct gaagcttatg ctgcagatat 180
 ttacaatata cctcctcaac ctcagcagca aaatcaacca cagcagatca attatgacct 240
 ttccagcaat agataccacc ctgcatggag gaatcacctt aacctcacat g 291

<210> 25394
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 25394

tttattgcag acgcacgagc ttgttccatt ttttgtttta gaggggttggc gtatattata 60
 ataatttatt gaatccttaa actttgattc atttttaact tggccgcatc atatgtcttt 120
 tttaaaaata cgtgtctgca ttcggacctt attaaactata ccatacattt tcagagatct 180
 aactgataac aagatcgcca gagagttag cacaaattat cctatgatac agggacttgt 240
 cgacctatca agtgagacaa acgattgatt acttataaca ttaaaagttt tattcgagaa 300
 tgtaatcacc atctatccta tagtaataag ttattat 337

<210> 25395
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25395

agttttctat tattcattgt gacaatacaa gtactgtatc ccttactcat aatccagttc 60
 ttcattgctcg cactaaacac atggagttag acctattttt tgttcgtgaa aacattttta 120
 acaagttgct cttagtgtat tatgtgcttg ccaccggtca atatgttgaa attattacca 180

aatctttatc tcttaccacac tttgaagctt tcagggttaa gctcacactg tgtgatecct 240
 caaattcttg tcagtctcac ccactgatgg ctccccactg cagttacttt ttgtgcattt 300
 atgtcttaag ggaaatttca atgggggggtt ntatcacccg anagcgcacc aagttgtcaa 360
 gtatttataa ttaaaacgg 379

<210> 25396
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 25396

taccctttta attttctaca ttttctaccg gttattttac agtttaaagt attgtaaggc 60
 tgttggtcgt ttcaaaatat tgtcttggtg aattttgttc ttatttggtt taagggagag 120
 ggatgcatgt gttatataca agtgtagaca ttcattttta acaatgtgtt atataacttg 180
 atgaaaagtt ctcatcttaa tttattttct cgttcttcac cgtgtgaaaa tgataaccat 240
 tgtttaaggc caatcaattt tttattttaa aattaaaaag tgaaattcaa aacaaaattt 300
 agtaacaaaa aacatattaa aatataaaaag taatgaccca atttctctta cataatcttt 360
 taggcttgat ttcaaaatta tatatatata tatatatata tatatatata tata 414

<210> 25397
 <211> 336
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25397

agctntgcta ttccatgctc aattgtgaat cttttttag gtaaaacact actggatttg 60
 ggagcaagca ttaatcttat gccaatctca atgcttacta aagttggaga tgtggagatt 120
 aagccaacaa ggatgacact ttaactgaca gatcaatcaa agttccatat ggagtaatgg 180
 aagatgtgct agtgaagggt gataaattca tattcttggt tgactntgta atcatggata 240
 tggaagaaca tgttgaagtt ctttttattc ttggaagact attcatgatg acaactctag 300
 cattgattga tgtaacaat ggcaagctca aaatac 336

<210> 25398
 <211> 422

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25398

tggatttcct ttagtaggga atctatcctt cctaagatgg agccaaatcc agtcaccgtc 60
attaagaact agctcttttc atcctctatt gcctttagtt gaatacacct ttgtttgggt 120
ctctatttgg ttcttaaccc tctcatgcaa cttctttaca aactctgacc tagattctca 180
ttctttatgt ataaaagaag tgtccagtgg gaggggaatg aggtctaacg gtgttagggg 240
attgaatcca tagacaacct caaaagggga ttgcttggtg gttctatgaa cccccctggt 300
gtaggcaaat tctacatgag gaagatatc atcccaagac ttatggttgc ctttcagaag 360
agcccttana aggggtggata aagatctatt cactacctct gtttgcccat cagtttgtgg 420
at 422

<210> 25399
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25399

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tgaagaagaa tgtgtcattc acttgggggtg aaagacaaga gcaactcana gaaaagctca 120
ctgaggcccc tgttctagct cttcttgact tttctaaaac ttgagctaga atctgatgct 180
tctcgagtgg gtgtaggagc tgtattgttg caaggtaggc accctattgc ttattttagt 240
gaaaaaattc atggtgccat cctcaactat cccacctatg ataaagagct ntatgcctta 300
ataagaagcc ctcaaactnt gggaacatac cttgtttcca aggaatttgc attcatagt 360
gatatgaatc acttaagtac attagaaggg taa 393

<210> 25400
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25400

ctagaccttt gatagcatgt nggcatcccc tgcattcttg ttttagtcag cttcaaactt 60
 attacaagaa aaatgacctt tacctacgga cagaaactgt cactataaat aaaaaatccg 120
 taggtaaagt tatgatagac tttgttctac ggacgttttt tccgtcaact ttgagcgaca 180
 tataatgacg gctaattgtc tgtcactata ggttttacct actatgtata gtgtgtaggt 240
 aaaagtcatt aacttctact tacatctcct aactgtaggt aaaagtcttt aatatgtaca 300
 tatcatcttc aactgtaggt aaatgttttag atcttagaga aagcttagaa catacataat 360
 tgaatgtggg cagtgcagca aaccaatacc tctctgcttc ttcggactaa aaaagaatta 420
 tat 423

<210> 25401
 <211> 239
 <212> DNA
 <213> Glycine max

<400> 25401

atatcgttta aagggagaag gatgcgtgag tgatctccac cagtacccat tcatctttaa 60
 caatgtgata tatgactagc tgactagagc tcatattaag atgatgacc ggacttcacc 120
 ggggtggatac gaaaccatt gtatgaaggc gaatcatccc ttatttataa agaattacag 180
 aagcagccta tccctcttct attccctaca aaagaaattt accacaaaaa aaatggacc 239

<210> 25402
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 25402

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 gtgaaaagtt atgaccattt gaatttctcg agagcttccg ttgttcaatt ttgagtgtct 120
 tgatatatta tacgcctgaa tccgacctcc gagtgaaaca ttatgaccat ttaaatttct 180
 cgagagcttg cgctgttcaa tttcgagcgt ctctatatgt gatgtgcta aatctgacct 240
 ccgtgagaga agttatgacc attttaattt ctcgagagct tccgttggtc actatcgagc 300
 gtttcaatat attatgcgcc tgaatctgac ctccgtgtga aaagtatatga ccatatgatt 360
 tctcgagagc ttccgtggtc aatttg 386

<210> 25403
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25403

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 gaatcgtttg agcaattcaa atgggtcaaag cttttcactc ggatgtccga ttcaggcgca 120
 taatatatcg agacgttcga aattgaacaa tggaagctct tgagcaattc aaatgatcat 180
 aacttttcac taggatgtcc gattcaggcg cataagatat cgagatgttc gaaattgaac 240
 aacggaatct tttgagcaat tcaaattggc aaagcttttc actcggatgt ccgattcagg 300
 cgcataatat atcgagacgc tcgaaattga acaatggaag ctcttgagca attcaaattga 360
 tcataacttt taactcggat gtccgattca ggcgcataat atatcgagac attcgaaatt 420
 gaa 423

<210> 25404
 <211> 228
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25404

tcgtaaccgg gaaatatcac tctgatcttt gtcaaccagc ccattggatc cttactgtcg 60
 aatatgggca attccaaatt cctccaccga ttgctgtcat gtgccaccat accttcatct 120
 tctccgctcg tgtcaactac gtgcacattc gtctcaagag tttttttctc ccatgccgcc 180
 gccgaccttt ggatcttncc ttcaatcgag ctgagctgca attccact 228

<210> 25405
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 25405

tcataaattg cacaagagat acttgtagtg ggtagttctg tcaacacaag ctgggtccagt 60
 tcgttgggtc tgaccacat caatccaccc cttaaatgag ttagcccaac ccggttccact 120

taaaagttta tttaagaaaa aagtgactta gtctggccca tcacgagttg tgagttaaatt 180
 ggggttggtcc accaatccac ctaaaataaa aaaaaaaaaat acattttttt aaaaaaatta 240
 acaaaaaaat aatttttaga aaaataaatt tgaatacatt aaaaaaatat tagttgaatt 300
 aaatcttcca ttatccacac accaaaagac attatcacia gctagaagtc tataactata 360
 ataacaaaaa ctttaaaaaat aatcttgaac aaaacaataa ataaaataat gttg 414

<210> 25406
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25406

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 gccttttaag gtactgcaga ggggtggggc tgtatcttat aaattataac agtggtgtca 120
 atagtggatt gtggaaaatt gcgagaagct gaaaatcccc tgtagaatat agcatatata 180
 actaaagagc ggaagtcgca tagcggctga natagaatat ataattaaat atgtataaaa 240
 aaaaaccatg ctatatgcaa ataataataa gctggactaa cattaacata atattatctc 300
 aaaagtaaatt tgttaccaca aaatatngtc attctctctg ccccttcttc atataataaa 360
 aaaataaaaat ctataacagc taaaaagcaa 390

<210> 25407
 <211> 208
 <212> DNA
 <213> Glycine max

<400> 25407

tattcgcaac tataggatgtt tttaaaatac atgccttaga atccaaattt ttgcaaaggg 60
 gttttgcaaa aacaaaaaaa ggggaggggt gaatcccttc ttcaccccat tcttcccaa 120
 aatcctaaaa tcactaaggt cctatgggag tgcaccaatc atacattcac aaaccaccat 180
 ttttgctttc ttgctttcat ttttgcatt 208

<210> 25408
 <211> 340
 <212> DNA
 <213> Glycine max

<400> 25408

catgtcatct ggctatttct gcattttgag ggtcaaattg aacttggaag tgctgtgaat 60
ttgggctttg ctttgtgtaa ttagtttaac tacgtagatt agataggcct aatcaaggca 120
cattccttcc ttttgagtag taactgtata tattactata agttagttag ttagttactt 180
cattctgtac aaaaacatat ttagttaatt gttgtgcaag ctttaggac aaattcttt 240
ctctcttttt ctctcttttt ctctcaactg ttcttcattc ttctccctct tctcattttg 300
gtattgcttc ttctgcacaa attttgtggc tcttccactg 340

<210> 25409

<211> 413

<212> DNA

<213> Glycine max

<400> 25409

taactaatca gatgggacaa ttggctactc ttttatatca acaacagtcc cagaattcta 60
acagattacc ttctcaatct gtctagaatc tcaaaaatgt gagggccatt acattgaggt 120
egggaaagca gtgtcaagga cctcaaccag tagcatcttc ctcatccgca aatgaacctg 180
cccaacctca ctctactcca gaaaaagatg atgacaaaaa tttaaagagt aagttacct 240
acaatttcta tgcagggtgaa tcttccacta gtaattctga ttacagaag cagcatatcc 300
ctcttccatt cctccaaga gaaatttcca acaaaaaaaaaa tgggaaggagc agagaaggag 360
atattggaaa catttagaaa agtagaggta aacatacttc tgctggatgc aat 413

<210> 25410

<211> 377

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25410

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gatggcatgg gctaattctg aaagaattta tatagtgaag gctacccttg gattcgaaag 120
gaatcctaag gagttctgca tgagtggcta atgtcagggtg tatccacta tcacaatcgc 180
ctttgggcat ttccatgag ttcttggtca aatgagtttt cttcttaact atgtaagtgc 240

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aaaacctcgg ggattctttt ttttatttat atttttttca acaatcacia gcgtgtgtaa 300
gttttattcc agaatcccaa cttanaagca aattagtaat tccttgatcc acgtgggctt 360
gtaacgtggg caggggt 377

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<210>	25411
<211>	350
<212>	DNA
<213>	Glycine max

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ccagggccctt attggacttc tccgggtcca ctgggtgtct aggaggcgct atccctacaa	120
actgatacat agcatctgag atcagctggg caacatgtac actcacctga gtcaggatgg	180
cgtataccat ctgatacttt gacaggggga ggtataagtt atggtcgctg gggagaatgt	240
tgctaagcag caacgtcatc ctaatctgtg tgaggttggg catgcttgtg cgcgatgatcc	300
gtaccctgtg ccccgctatg ctccaagata agtcctaccc cggaacgcac	350

<400> 25412

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ggcctctgtt cttcctttgc gagatacttt tccttatgtc agtttgcgta ggtttatagc	120
ctaaccctaaa cttcccgcgg tttcctctgg tgcttactag gctggttctg ccgctgttgt	180
tcttgcccaa actcattccg ggctcgtagc cgtaccgcaa catcatttta ggtcgtcacg	240
tgaaaaataa taagatacgg tcggtagact ctgttcaaac taaaattggt aacacttcct	300
tttcaaataa caagattaaa cataattaca ttcatcatct aaaactgtcc aaaatatggg	360
agtttgcaaa atacatagt	379

<400> 25413

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gaaaagaaga taaggaagat taagagcccc ttaccaaagc ttttatggaa gaaacctcaa 120
gagcacttgt atgaagcttg taagaagaaa gaaatagact catctctcct ttggttgagc 180
ttgtgcaaaa tggagaagaa agagctccaa tttgtttttt aaagagacat gatgatgagg 240
tttaaggctt aagttgacaa gcttaattga caacatgaat gactaataac cagcccatgg 300
ttaacgtgcc aagccatgca attttagtgc attatgcctt ttgaaatttt aagcaaaaat 360
ggctaaagta ggtttaaacc aaaaaatgga aatttctggc tttgctaaaa ctag 414

<210> 25414

<211> 365

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25414

agcttctcaa ggaagttttc tcaagaaagc ttctcaagga agctacctag tctataaata 60
gaagcatgtg taacacttgt tgtaactttg atgaatgaga gtcttgtgag acacaactca 120
nagttcaact tctctccctt tttcttccct caatttcgtg ctccccctc tctttctctc 180
cctctttctt ttctccatt gaagcatcct ctctaagctt cttatccaag gctcatcttg 240
gtggtgaagc tccttcttcc atggcttatt ccttagtgga tggcgctcc tctcacctct 300
tctcctttgt cttccgtgc atctncatgg tggaaaatca ccattaaagg acctcattga 360
agctc 365

<210> 25415

<211> 412

<212> DNA

<213> Glycine max

<400> 25415

tggagaggag gcttcaatgg atgataagta tgagggagag aaagagagag gggggagcac 60
gaaatcgaag gaagaaaaga ggagagaagt tgaactatga gttatgtctc acaagactct 120
cattcatcaa agttacaaca agtggttacac atgcttctat ttatagacta ggtagcttcc 180
ttgagaagct ttcttgagaa aacttccttg agaagcttct ttgagaaaac ttccttggga 240

agctagagct tagctacaca caccctctc ataactaagc tcacctcctt gagaagcttc 300
 cttgagaaga ttcctaaaga agctagagct tagctacaca cacctttcta atagctaagc 360
 tcacctcctt aagatgagaa gctagagctt agctacacac cccctataat ag 412

<210> 25416
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25416

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 gaaccgagaa gaagaacaat ttcaaacaaa ggaagaattc attaggaatg tttgtttcct 120
 taatgagaag tcatgtggca actactttgt gcttgctcct tcgagtgccca ctacgttagc 180
 tggggcacct gttgttgcta gtgtgcctaa ggaaacgccc attgtgatga ttacattggt 240
 cattaacaaa aatatagact tangaatact tgatatcatg tatcaactat ctggacaatt 300
 agttgaaaaa aatattcaaa cctatggtgc aaaaaaaggt gcagtagttt gagaaat 357

<210> 25417
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 25417

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 tactacaatg ggtctgttga tctgatctcc attatgcaat attcttctat agatgattcc 120
 aaggcctcat cttttatctt tttgtatcca gaagcatggt gagctaatacg gttagcttca 180
 tcattctctc ctatgtatac atgttctatt gttacaatca acaaaatagt taagtaattg 240
 tctagctgaa ttgtagagct ctactaaggt aatggtattg catttgtttt cacctttcat 300
 atgtcgaatc atcaattggg aatctccata agtttgtaca cgttttactt ctttttgcaa 360
 taatgtttct ataccaata tcaatgcttt gtattatgat tgattatta 409

<210> 25418
 <211> 477
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25418

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tgcggcgagc cagcgcaact tacttggtgt gataggccag aagggccaca gcgtgcttaa 120
caaaaattca ctaaaaatga tccccatta agctcttatt caaaggctat gttctatcat 180
atcgtaaatg tcctagtttg ctccataaat cattatgaca actcgagttt ttcattagag 240
gattagattg cctttaatca tggaatgcgg ttctgtttct ttgctttata cccctactct 300
cctgagaaaa ttaacatttg tcaaacatca natatcatga gtcaagaatt tgcaatattc 360
atcttatgca atgtctatca tcatacttca acaaggacaa aagcaaagat ggtattttta 420
taatacataa attaactata tttagggtcg acagcataaa tgtcatatgc aaaacct 477

<210> 25419

<211> 271

<212> DNA

<213> Glycine max

<400> 25419

acattgtggg tacacgtca cacacatatt tatatatgga tagatgacat aatccttttc 60
ctctggcagc atttatctaa gtgggtagat aggacgtgc ataggagcag atgggtgatt 120
gagataacat tgctgtagac gaacaaaacg tccagtgatg tactgggggtg gagattatct 180
ctgggtggga aggatatggg gaagcttttt tggaataggg ggttttgaag tgactttgaa 240
gatgagtaat tgtagagaga attttgtata t 271

<210> 25420

<211> 144

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25420

agcaagttta tgttctgctt tatnccganc gccaggaggc tattgaggat gtttgcacaa 60
atgttcatca aagatattag gctaaaattg ctttttttgg ttgcgtctct gtcccgtat 120
ggatatcacga tgatgttagc ctca 144

<210> 25421
 <211> 554
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 25421

 agcgacncnc cccccgagcg gactggttat actagnnngc tagnancntc nacnacnann 60
 actaagcgga ccngggacnc gcngganaag ggagctacgn gggacttttt acaagtagat 120
 ctgcacacca cgcncggagg aatgcggaga ttctggggca aatgaacacg gtgagaaaga 180
 gggagaaacc catgctgaga ctgccattcc tatataacca agtgtccac caaccaaca 240
 atgccattac tcagccgatg acaaaccttc tccttaccac ccaccaggt attcactaaa 300
 gccataccta atatcaacca cgaagcctat ctaccagact tccaatgacg accaccacct 360
 ttagccctaa ccttaacacc aaccaagaga tgaattttgc ccccaaatag cctgtagaat 420
 caaccaatt ccggtgacca atgctgactt gcctccatat ctactagata atttataggt 480
 agccataacc cgcagccata agttcataca tctcgcatga tctcgogaaa tacgactctc 540
 cacacgactg tgcg 554

<210> 25422
 <211> 544
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 25422

 agagaagggg cccccgcccg ttttgcaatt cagtcccgta agnacnnatc nncnnaantg 60
 aanagcccgn gcgngagca atgtccagca tccaaaacac attattacat ttattttctac 120
 nccnganca cgggcgcttg ggtagcgcta tcaactttaca caataccact ctactactg 180
 tatgactaan gacatcatat ctgtcatatt aatacctaaa caataatat gacctataaa 240
 agaactacta gatgagaaca taaacctgca atgcacatgt gtatcaccta atccatatcc 300
 tatgcctcga gaaaatccat ttaatatcac ctgagattata agactgtaca taccacatat 360
 gtaatgttct ataaataata caaatcaaac taagctatca atgtcacaaa tgectactgc 420
 tagacatatc atacaagatc ccgcatattg aacagtgtct tctgccacct taattacatt 480

tatcactcta atacctacac caggttgaaa cttatcttat ngaaatcaca catgaatacc 540
agcg 544

<210> 25423
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25423

cattcaacct tccaagaaaa agtaatggcc gttggaattt cctctgacct tcaacattca 60
attccgagcg tctggatata ttacgggact caatcagaca tccgagtaaa aagttattgt 120
cctttgaatt ggatcagagg ttcaacattc aatttcgagc gtctcgatat atttcnggac 180
tcaatcagac atccgagtaa aaagttattg tcgtttcaat tggctcagag gttcaacatt 240
caatnttgag cgtcccgata tattacgtca ctgaatcgga catccgagta anaagtattg 300
gcgtttgaat tgctcaaagc ttaacatttc aattcgagc 339

<210> 25424
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25424

gtctagctnt tcattggtag tatttgatct ccttttggtg ctctttaatg tgggaatgtg 60
ctcaagtatg tgggggcaat ttggtttgtt ttcttgcttg attgggttgg attgcggggt 120
tgtatgggat ggccctangc ctataatgca ttttgaaaca atgggacatg ccacattgtc 180
cccgttctct tgctatagat acctaaacgc gcccaccaa gtgttcggtg aaatccttaa 240
tggcattagc gcgtgacttt ttaggaaac aacccatggg gcatttttgt tttcacatat 300
tttctatttt ttgggacatg cattcattcc ngaaaaggct agaggatttg cccacatata 360
ttctatgcct angaaccaaa gttntatgca aaaacacaag aggagtgcac gtggtaaagt 420
actctttttg ccacgtccct ataaccacct cn 452

<210> 25425
<211> 266
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25425

aattggattt ttggccttct tcttctccta gtggctcaca taattttggt tgtattaaga 60
ggaggaaaaa tggtttttct ttgtgctttc tcattgtgct aaagtgaggt gagaagagag 120
ctttctagct tgcttaccaa gtttaagtga gaataagtga agtgctagtg ggtgtgtatg 180
gagagtggtc gttgtaacga cttgccttgt tgctacgata tcattactct anaccgcata 240
aattttaaat tttaaataa aactct 266

<210> 25426

<211> 543

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25426

tgctcnnnc cagacggggg acgatgagcc attgngcttg tatnctnga cactatagat 60
actcaagctn tggatctcaa tagttgcgga gctgtctggt gttgtttaaa tgttgtgaat 120
gaacaaggac atgattgttt gatgacaaat attgacaaaa atgcatgttg taaacatgct 180
ttttctcatt atcctaaatg tgatttggtg ttgaataatt tgagtgcga tttcaataac 240
actattttag aggcaaggga gaaaccaata ataatttgt ttgagtggat taagtcatat 300
ttaatggcta ggtttgttac atagcaacaa aagctagcaa aatattatgg ttaaattatg 360
cctaaaccta tgaagaggct agataggga attgagctta gtcttaattg gaatttagat 420
tactantttc ataagatatt ggaagtcacc catgctntaa atggtcataa gtttgttgct 480
aacttgcag ataattcttg tacttgtaat tatgggggtat agttgggtatt cattgtcgcc 540
atg 543

<210> 25427

<211> 505

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25427

tgccccccca ggaagtgact aagctagatn ntgaccatna aaaaagccgg accagctgct 60

gcgagcagag ctttcttaga taattctgcc ttctggaaga atagtctgga agcggatgtg 120
gacccagttg ctatttgcac cccgtttgta ctaaatacac ccccttgctc ttttgtggtg 180
atattttttt tccgtaacgt tatgaaaatt tacgaattgt gtaacgatgc ttgttctctt 240
tccgtaatgt tacgaaatct tacagattat ggaatcatcc ctttttttgg cttcccgaac 300
gttacggaac tttacggatt gcacactaac acttcctttt aattctcggc atgtcacgga 360
acttcacgga ttatgctaca atgctttctt ttgactttcg gcatgtcacg gaacttcacg 420
aattgcctaa agatgggtgc caagcacctc gaagaggcaa acgaagggtg ctcccaacaa 480
cggatggtcc cggacaaata aggag 505

<210> 25428
<211> 435
<212> DNA
<213> Glycine max

<400> 25428
agcttgtggt gcaattctat gagctaaacg aaggggaggg aggtactgag caaagtgggt 60
acggaaagga tgtgggggtg agagtattca cgataactcg gctagactgt gagccacttc 120
aagtgttggt cagatttccg tagagaatcc tcagggttaa taatacagca atacttcttt 180
gagattcact agacataaaa accaaacaga gtcttcaactg tctctctctc ctttgctgac 240
ataaatgaaa cctctcctga tgctccctc ttctctctct cattctatac ctgtgctttt 300
tctaactctt aaggcatcta gaaaattaga gactcatcac tagcatatca gcaatacgtt 360
ctcattatct tgtatgctct cctattatcc acaatgcatt attgtcatct atcaatgtat 420
cattattgaa cacct 435

<210> 25429
<211> 308
<212> DNA
<213> Glycine max

<400> 25429
aaaagatagt tggaggctctg ctgcatactt attcaagtac ctaaattatg caagggaatc 60
gttctttgtt taaaacttaa attattaaaa ataattataa atgcctcttt acatgaacct 120
tctttataat ctgttttagat gggctaactt atagcatagc ggggtctgtt tttacctggt 180

gtattttgaa atattataaa ttcacaggaa gttacaaaga tggttcagag tgttcctgtg 240
 tacccttac ccagttttcc caatgggtcca tctacatatt atactatatg tcaaaccaga 300
 aattgaat 308

<210> 25430
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25430

agcttctgct gcaatactat gagctaaatg aaggggaagg aggtactgag caaagtgggt 60
 anggaaagga tgtgggggtg agagtattca ngataacttg gctagactgt gagccacttc 120
 aagtgttggt cagattttccg tagagaatcc tcagggttaa taatacagca atactttttt 180
 gagattcact agacataaaa accaaacaaa gtcttctactg tctctctctc ctttgctgac 240
 ataaatgaaa cctctccttg atgcctcctc ttcctctcct cattctatac ctgngctttt 300
 tctaactctt aaagcatcta gaanattaga gactcatcac tagcatatca gcaattaggt 360
 tntcattatt ctggatgtct ctctattta tcacaattca ttattttcat ct 412

<210> 25431
 <211> 316
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25431

agctntatgt gaagatttgt gaaagtgtaa cctgttcaat gacatttgaa atattcatag 60
 tgtctctagt agagaaaaca gtcaaaagtc acttctttat tatttgctta ctttcccaac 120
 caaatgttca ggcccagttc tccatcccc acactcttat atgagaacct gactttacgt 180
 tttcacatat aatgggtatgt agttcttgca tgaatcanat aatccatcta attcaccagt 240
 ctcataatct agtttatgac atatcaccag agactaagga ctggtgtctg taaactgtga 300
 nagggccaag ttgatg 316

<210> 25432
 <211> 486

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25432

nnnccgcctt gcatgagacg ccaattcaac cgacacgca gctcttaagc gacttgagga 60
gcagcctatt atggaaagga cgcgaaccta caacgagata tggttaggcc acgctaata 120
acttggtgaa accgaagtgg cggtaattaa gttggtaatc attctgtcaa tngtaatggt 180
tggataagat agagctaagt caacaggaga catctgagaa tgaggtttaa ttggaattag 240
gccaaactcg cgagacatcn gtgtttggta tttgcgcctt cagcatagaa cacaaaaata 300
atttcaagtc gagaaaaatc ctaattgcat taagtatctt agtagaagga ccctacgctt 360
ttgcatatctt tgtttcacac tctctgctg acacttacta tngtgaccta taatagaaat 420
acttctgtnn ttacttcatg actatcaatt gtttacgcag atgcctatnt actgcatgat 480
gcttta 486

<210> 25433
<211> 538
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25433

tccattcaag aggggcnenn cncncccgaa tttctgntgn ctagnctntt gntngnctca 60
cacannnaca gagaggcnnc acgagctcga cattgagacg gngaagaaag nnatagatta 120
gatantttgg acaagacngc cngcagcccc tatgggaggg tgggaaagac aanaccaaac 180
cannaaagng agccaaaaca ttctaagaac gggttggaan aaccatctta gaataatcac 240
cttctaagat gatcttctta aaccgttgta tagtcggtgt atttatttac aaatatgtca 300
ccgtcttata tactaagaca gatcctcggn aattggcttt gctntggatc tggagaataa 360
gttttttata agcggtgacc tggccattat ttaattaata tgctgtacaa cataaacaat 420
tagacaattt atgtgtaggt ataacgcata caagctctca gcgttaaata ttaagataat 480
atactgcaat tctccttcaa aatcttatta atatcttggt cacattcttc aatttttg 538

<210> 25434
<211> 195

<212> DNA
<213> Glycine max

<400> 25434

catggatctt acttgctggc tctgaggggg tggatccact gagctagaac attggctccc 60
tggttcacc cccttttctg ggagtgaatg agtctgtctc gctggcattc caggagccac 120
tatgggatga aaaacaaaaa ctctgtagc tagttcgggtg tctgaccaa tggtgcccc 180
agttttgctt gaaac 195

<210> 25435
<211> 194
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25435

tgcgcaaat cttcaggatt aacatcctcc ccctttttga tgatgacaac cacctgtagg 60
ttnggagcaa caacaaagaa gaatatctat ttgcatatag tttactcccc cttgggtttg 120
gaatgattgc ttatatgaaa cagttgaaga tttcatattt ttcatatgta aaccttattg 180
tctcataaac aata 194

<210> 25436
<211> 151
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25436

cccccaacag ccataatca atcaccattt ggtctcccaa aaggctgata cctangttgc 60
caattgtgcc cttattacaa cttgaactaa acccaactaa agccctttta gttgattaac 120
ccanaacata tttttggtca gccaaacttta c 151

<210> 25437
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25437

ttcttttttta ttttanggn tatcagaatc actatttcga aagcccttat anatcataan 60
 gaanattcctt atctatttat agatgtttga tttgcaagga tattagttct caatcatatt 120
 taaatcatgc aacagaattg cattttgcac gtttgtaa at ctacatata tggaaatata 180
 atatgtaatg attgtacaga atatattcat cctgttttat aagacttata gcttaattgt 240
 attattccag atcaattata aggctcttaa tgtccatgtc tggtatagta gtagtgggct 300
 ttagctataa tttatttggg tcaactatcc ttaattggaaa atagattcca cttattacct 360
 gtccagaaca tgtagtggct tgataaaaaac tactcta 397

<210> 25438
 <211> 597
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25438

cgatnaccca gtannnacct tcatcccnac ncccccaact gatngcttag cnnggcatag 60
 catnnnnncnn cacactattn gaacacatca agcctncaag aaaaaaagat ggcnctcage 120
 annactcct tatttttttca gaagttttta ttctatcaat agcaacctcc aagtctttta 180
 gtggagagtg tgttaccatt acnntggaaa acctgaatgc ccaaattttt attgagggca 240
 atagatctat aatatttggg aagccataga aatagggcct tatataccca ccacagtgga 300
 aagagtttca atagatggta gttcatcaag tgaaagcata actatagaaa aacctaaga 360
 tagatggctt gaagaggata gaaaacgagt acaatacaac ttaaaagcca aaaacataat 420
 aacatctgcc ctgngaattg atgaatattt canggtttca aattgtaaga gtgctaagga 480
 aatgtgggac actcttcgat taacacatga tggaactaca gatgttaaaa gatctangat 540
 aatgcacta actcatgagt atgaattatt tagaatgaat gcanatgaaa atattct 597

<210> 25439
 <211> 259
 <212> DNA
 <213> Glycine max
 <400> 25439

atcttttttt tgctgggctc actaaaggctc actaggcccc aaagcttaca aatatgattc 60
 ttgggcccac taaggctctgg tggcccaata acaaaaatac agcccaaaaa caaaaataaa 120

attgtcagct ctcttcaagt ccaagtcagt tctgccgaat ttcggatcca agcccaaagt 180
 cttataattc tcttgaaatt caatttaaac aaaaaataa tcaagtaggc ccaaatgatt 240
 aaactgcata attaatgtg 259

<210> 25440
 <211> 236
 <212> DNA
 <213> Glycine max

<400> 25440

cccttacctg agcttggttt cagaactgct agagaatagc ttgtctagtt ctgtccatgg 60
 aattatgcct ggcgggaatt tgcgcgatgt tcttttcctt ctttgcttct aagatgattc 120
 cctcaggcaa tctcaggcca ctcaagtatt ttcattttca cgttctttct gtgagaaaca 180
 tgaacaaacc tatggagtgg ttgaaaatg aagattttta actcttcagt gacaaa 236

<210> 25441
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25441

agcttgcattg caaattatct taatataaaa acatgcanac attgaaccat agaggtaaaa 60
 gtttcctatg aaggaaacta anaaacactg attaaagaaa ttgtagataa cacaacaaa 120
 tggaaaaaca cctcatgcac atggattgga aggaacattc attaaaatga acatacttgc 180
 ccaagaaatc tacagattca atgcaattcc tatcanaata tcaatgtcat ttttcatang 240
 aatagaanaa gcaatcctaa nattcatata gaaccaaaaa agagaccana tagcccaagc 300
 agtcctaagc aaaaagaaca nagctggagt catcacatta cctgactnta aattatgcta 360
 caagactata gtaatc 376

<210> 25442
 <211> 509
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25442

nnaattcgg gatcgnnagt tagatancta gaaactaagc tngaattgac aacggaagct 60
 ctcgagaaac tcaaattggnc attacttggt ttacggaagt ccgattagag cacgataata 120
 tatcgagacg ctcttaattg aacaacgaat gctctcgaga aattcatatg gtcataactt 180
 gtcacatagg agtccgatta aagcgcgtag tatatcgata agcttgaaaa tgaacaacag 240
 aagctctcga gaaactcaaa tggtcataac ttattacacg gaggtccgat tgaggcacat 300
 aatatatcga gacgctcgaa tttgtacaac gaatactctc aagaaattca catggtcata 360
 acttttcgaa cggaagtccg attcacgcgc atattttatc gagaagcttg aaattgaaca 420
 accgaaggct ctcggaaatt aaatggtcta acttacacac cgaagccgat tatgcgctaa 480
 tatatcgaga cctcaaaatg acaacaaaa 509

<210> 25443
 <211> 304
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25443

agcttggtan tcgttaattg aganaactnt aagcaggttc aaagttatcc catgatagtg 60
 gcattcttat ttgtatatat gtgctttcct tttttatttg tatcaaagca tttaaaatga 120
 atatatgtaa catgtaccta agttctaaaa gcataataaa atgaacacat ctgaaaccac 180
 cattctgctc aagaaatata acattactca agaaatacag tgttacaagg tgatactgtg 240
 aaccagcttg acttgtaaca ggattagagg gggaaaggct tgggtgaaaa tgactgttct 300
 caag 304

<210> 25444
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25444

agcttggtatt tcttattcat gctgctatac catcatctga aattccttaa acaatgcggt 60
 taaccttaaa aactgcagc gccattggc cataaggctc gatttgatt caccctgtct 120
 ttgtttcatt gaaaacacnt taaaatgagc ttctgttgta ngaaagtgct agcatgttca 180

gctagccata aatcaatggg tatttgagac agattatcta taacaattat tttagattat 240
 ntaagtatca tttttattnt aaaagaatac tntccatgaa tttgaacctc agtaatggca 300
 aataactcag tctaaacaga aagatgttgc aggtataatt atctgaatat tgttacaatt 360
 aagggaacag tcatgcacat tactggcctt tagaanaata ntatacttca tgtagatatt 420
 attaataat aaaaccctaa tgga 444

<210> 25445
 <211> 510
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25445

ncccgattcg gttacngnnn gttagtatnn cttgacncan tnaacactca agctcggaga 60
 ggatgcttca atggaggaaa aganacagat tatgaattga gaggggggaa cacaaaatgg 120
 gaggatgaga aggtggagag aagttgaact ttgagttatg tctcacaata ctctcattta 180
 tcaaagttac aaaaagtgtt acacatgctt ctatttatag cctaggtagc ttccttgaga 240
 aacttccttg agaagctttc ttgagaaact tccttgagaa gctttcttga gaaacttcct 300
 tgagaagctt ctttgagaag cttccttgag aaactagagc ttaactacac acacttctct 360
 aataactaaa ctcacctcct taagaagctt ccttgagaag attctagaga actagagctt 420
 gctaccaca cctctcaata gctaactcac ctcttgactg agaagtagac ttatctcaca 480
 cccctatata gctagctacc cctgccaaa 510

<210> 25446
 <211> 513
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25446

nnnttattgg ggcagttttc nngangntng acctataata ctcaagctga attgtaacgg 60
 aagttctaag aaaagtcaaa tataatattg nttgactcgg atgtccgata gagnetcgga 120
 atatatcgag acgctcgtaa ttgaaaacag aagctctgag caaatttaaa cgacaataac 180
 ttttgactcg gatgtccgat tgtgtcccat aagatatcga gacgctcgta attgaaaacg 240

gaagctctga gaaaaatcaa atgacaataa cttttaactc ggatgtccga ttgagccttg 300
 taatatatcg agacgcttga aattgtaaac ggaagttcta taaaaagtca aacgacaata 360
 acttttgact tcggatgccg attgagcctc gtaataatat gagacgctcg taattgaaaa 420
 tagaagctct gagcaaattc aaacgaccat aacttttgac tcggatgtgc gattgtgccc 480
 gtaagatatc aaacactcgt aattgaaacc gag 513

<210> 25447
 <211> 525
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25447

nccagttaga tttgctaaaa gttgtatcac tngacactta gaaactcaag ctcagactat 60
 attgtagaat cttgagcctn tgntctctat gattatgtcg gncttatcat agaggggggc 120
 tttatgcttt cttccaatat cgagaatcca ttttgtaagt acaatgtttt tcctaattgat 180
 atgatcgagg cttcacacca gtaatgtgga cttatcattt actaaaagaa ttaggattcc 240
 agacaaggag aaattaccac catatacatc ttgtataaca cccaattttt gcgtaataata 300
 aattaaataa gattctattt aaaaataaat agaggtttac gaaaataatg agattttcat 360
 aattaaataa atagaaaaaa tattttatta attaaaatga tgattttagg gtaataaaat 420
 aattatatgt tcttattaaa taaaatgaat atttaaatta ttcatttgat tgcgagtaaa 480
 tatagtctat cttattaaat aatatcatca agaacaatag agtag 525

<210> 25448
 <211> 251
 <212> DNA
 <213> Glycine max

<400> 25448

tttctttctg tattegcctt agaagcagat gccactacac ttgctgtata gtctgcagaa 60
 ccatgagcca attaaacctc ttttctttta gattgccag cctgaggcac ttatttatag 120
 caatgcaaga actggcctaa acaaaacatt agttcaagag tgaatctcag gatggacatt 180
 ggtataaaga taactgaaaa tgtagaagca acttggaact gggtcagag aagagggttac 240

aagagtttgg a

251

<210> 25449
<211> 213
<212> DNA
<213> Glycine max

<400> 25449

caagtgggca caggccagaa gcctccacat ctttccccga gcctgccatt ctaccttctc 60
agtgtccctg tggccaactg ctactttctgt cccctatgat attggacgtc atgcaagggc 120
acttgctgat agcgtgaaaa agacaacaaa cctcagaaag gaactcaatg tctttaagag 180
cagaacaagc caatgaagac ctatgactgt gac 213

<210> 25450
<211> 234
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25450

agtttatgtt tatagagaag aaagatatct gaatgttatg tgactagaag gtacacatga 60
gtactatttt tttttttgat cagcaaaagt agatatatat atatatatat acacacacac 120
acaagtncca gtgggtactg aaaatacaga tgatattagg tagacttgct gttccaatgg 180
tcaggctaat ttcagtctga taggatccaa gctagtcacc atatatttg atac 234

<210> 25451
<211> 290
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25451

agcttttttag ctcanaacca cacaacaca caaacagcgt cttgtgaact gtggaaagaa 60
aggcgtaccc ttgactctaa caattctggc atatgtatgt gtcattttcc ttacttcctc 120
ctctagacaa aatntatttt cctaagacca tcgaattagg tggtaaaactc attgatntat 180
ttttatgttc acctttcttc aaataccttc cttgaaatct cagaggacta caccactgac 240
atatattccc agagcaccat caacattaat cctccttcta aatatctcac 290

<210> 25452
 <211> 229
 <212> DNA
 <213> Glycine max

<400> 25452

tatggaattc tatcgtttgt ctcactttac acctattgga ttttggagta ctattgataa 60
 ctgctaataa atgagtatat tttggagtta aattatatag gaatttgtaa tttttctctc 120
 ataattgttc ctttttttagc aaataattgt taaattaata tcatttaagt tttcgtgcag 180
 aaaatattaa tagtgatgaa tttgtgatgc ttagtgaata aaataaagc 229

<210> 25453
 <211> 95
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25453

agcttactta tatacaaaaa taaaagataa canagccctt tcagccggaa ccgccgtttc 60
 cagtaatcgc caaatgacga acacaaaggg aaaag 95

<210> 25454
 <211> 348
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25454

agcttctgtt aagtttatag cagatcaact aggtaaaaag gtgttaggac ccgtgtcata 60
 taaagaantt taaaggaacg taggatattt agtactaana acaaacataa aaaagaattg 120
 gttggcagaa catgagagat gccacttatg tgaanaatac tttagattta ttccatacaa 180
 gttttggagg gtaagttcaa agggtagaaa ttagaaggag atagatttcc gctttaatgt 240
 aaggaaaaga tngccaacaa tttgagctct tcaaaaatgg aatagactta ttgtgaattc 300
 gtgagttcac ccctatttgg acatagtcaa gcagatgatg aatgactt 348

<210> 25455
 <211> 404
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25455

agcttatttt cttgttttat tttnngnctg ngcaactttg ttntcaattc tgtaatctga 60
gggtcatgcg cttagtttgg ctgctactct tangatacta ttatcatatg tatnttcctt 120
tatccttcat tcttttagata taatgatttt gtttccttaa tagtaagaca tatattatca 180
atcatggctc aatggaatnt accaacacca ataaaatatt tatttaatat aaaccaagtt 240
gaataaaata atagagaaaa atacattgga tgcttgcaaa tgtactacta ttgtaaagtg 300
tgtgattcct ccacttggtt cattcacctc atgtgttttt aatagttgaa aaatcataat 360
taccagcaat attatactat ttcttgctta tatcataaac atac 404

<210> 25456

<211> 514

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25456

ncccccgat gctttcatgt gtttggacan tctgacaaat anacacgtga gctttagagg 60
ttagagtctc acgaaagaca cgggccatt taacaattgt tagccgcggc tatatgagag 120
cgctgtcaa acaaagtcn gttcacgata actcgctgt gctttctctt ccatgctata 180
ttagcaaaag tgattgatct agtaatgctt gatgagttgg aaaatgaggg cgcaattata 240
ctgtgccagt tggagatgta tattccccct gctatctttg acatcatgat tcactagatt 300
gacatcaagt cagagaaatc acatgttgcg gtctgttta tctacagcgg atgtaccgg 360
ttgagcgatc atgaagatct tagaatgtat acaaagaatc tatactttcc ggaagcatct 420
attggtgaga ggtacattgc aaaggagcca ttgaatcctg tcagaaactt agagacgcta 480
aagctgtggg cttctgaatg tcacatgaaa caag 514

<210> 25457

<211> 299

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25457

ttcttattta ttatttggat gaaaaacact agtccaaaaa acgccanaat actcttgatg 60
 aanatgaata tgatggggag aattgcccta ccagatataa atctataaca attaattcag 120
 ggcagtattg tcgtagagat agaaaanaat acactaatgc gttagaatag acagctcaga 180
 gnagcaatag gaatatatgg acaatgtaat atatggtgaa ggtgctataa cagatcagtg 240
 aaggaaagtt tgaatttttt cagtaaattg ctctgagatc acatgaatan agaaaaatc 299

<210> 25458
 <211> 225
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25458

tgcttcatgc attcactntc cctcttcctc gaggtaattg ctccgtatct aaagcttcat 60
 acacctgcag ttctgtgga gagtgagctc atatctgaga gccagatccc tcgaccacg 120
 ttgtctgata gatgcgcttc catagggttaa catttcattg aatggctgac aaagcacttc 180
 ataggatagc tatagtccaa tcttacgggg tgctgagaag accct 225

<210> 25459
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25459

cactcactaa ggaaatcggt tttaaccagg tctctccaa ttaacactat cctattacta 60
 gtaattaatt ggatatcgca accatgcttc tctaattcgt agtgtcttgt gtaaattgtg 120
 ctaatgtctt ttggtgtgca aatggngtga agtgatttga gctcagaaag gacaaaccaa 180
 ctgggtttcc ttttctgcat ttgaatagaa cagtagaact ntccattctt acttggttg 240
 gcaattgcc a gcttttccgt aacttgtccc cttgacatga gtgacgaatg aaccgtgtcc 300
 gtggcttcta ttaagttttc tttctctttg ngaccacact aattattacc caatccatgc 360
 tagatcacta atactgcat tagan 385

<210> 25460
 <211> 380

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25460

agctngttat tgcaggcact gngccggttt gttttttaac ctgttttacc tctacattta 60
cactatcagc ataataact ataaataaat atatgctgat taatatattt tcaatggtac 120
aatttaaact aaatattatt tttaaaacca cactctctct agctntgtta ctaagagcaa 180
agcaagtcac atacagtaag gtttagtctt attgtaaaag aaaaatttca gacaacataa 240
atttaacaga atttacgtgg aaaaaaaga aagattcatg aatcacacat tacacagaat 300
ctgaaaagat tcagagagct ctgctttgcc acatgggcag tgagtattta tagacagaac 360
atgggagtaa gtatagaaat 380

<210> 25461
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25461

ggggnggatg actatgatct tcgggatagn gcacnctcn cngggatcct tagagtcgac 60
ctgaggcatg caagtcttat atcagaccac ttccagggtg ctggagctac ttcacatgga 120
cttgatgggg cctatgcaag ttgaaagcct tggaggaaag aggtatgcct atgttngtgt 180
ggatgaattc ttcagaatta cctgngtcaa ctttatcaga gagaaatcag acacctttga 240
agtattcaag ggagtgaagc taagacttca aagagaaaaa gactgtgtca tcaagagaat 300
cangagtgaac catggcagag agtttgaana caacanggtt actgaattct gcacatctga 360
aggatcactc atgagttctc tgagccatta caccacaaca aaatgacata gttgaaagga 420
aaacaggact ttgcangaac ttgtanggtc atgctcatgc caagaacttt ctatatt 477

<210> 25462
<211> 255
<212> DNA
<213> Glycine max

<400> 25462

agtttctttg cccattgcct caaggacatt gttttcactt gtccttagca cgtgcctatc 60

catatttatg gatgagtgga ttatcactag acaaagacaa attatcttta aatctgaagc 120
 tataaaatgt ttatgtttgt tgatttatat tgcccagctg ttctcccagc aggggtggta 180
 gcagggtgac ataaaaataa aacagcatcc accctttcta tgccaaatgt aagaaaagaa 240
 ttaaaatgat gttcc 255

<210> 25463
 <211> 73
 <212> DNA
 <213> Glycine max

<400> 25463

agcttagtcc tataggggat ggaccttttc aggttttga gaggatcaat aacaatgcct 60
 ataggttgga cct 73

<210> 25464
 <211> 144
 <212> DNA
 <213> Glycine max

<400> 25464

ttatcttttc cctccctac aagggcagcc aaacattcta gagcccagga aagccccagt 60
 tccaggctct ccacagtgcc caccacccc agcccttcag aaagcccca aattccagcc 120
 cccacaaagt ccaactttga tatt 144

<210> 25465
 <211> 328
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25465

agctntgtat gaatgtgact tcagggaatc ctgagttctg tttagtgagc atcatagact 60
 ctcagagctt caagggtcta gacacagaaa tcaggggcct gccccaggt accattagaa 120
 tcacctggag agcctttaca ggttctgttt tctgagcca cacctgagta gttctgcttc 180
 agttaccttg cggtgatcct caaacctcaa aactttgtaa agttttggtg actccagcgg 240
 tggctaattt caagcacagc aaccaagcgc ccaagccaaa actattgttc ttaccacat 300

gtntatttca tggaggagta agtgtgag

328

<210> 25466
<211> 350
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25466

ctaaattacc gtccttccta atgaaccgtt attaattaat ggtgggggta gagctaattcc 60
ccttaatgat ggtttaatgt taaatttccc ttaataatta aattaagggt tggattaagt 120
ggtgttgaac tgataaagga taaattctcg caacctanga taagagactt gcttgtgaaa 180
tcagggaag caacgtattt aattctgata ttctaataca tttactcctg ttaatttcaa 240
aagcaacacc cccccccca attgtactat tctacatct gtataacatt tgtgttcatt 300
gtcattggaa cacctagaca ctctagtct acatcatatt attgatcggc 350

<210> 25467
<211> 271
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25467

agcttatatt aattttctaa ttaatggatt ccaagacaat caagcacctt ttggttaaga 60
aaaaaatta aaactcaatt caacctttta agacaaattt tatatatata tatacacaca 120
cacacagtat tgaagtaaaa ttatccaaaa agtaaaattt ataccctcaa cagtaagcag 180
taaattggat atcattaaaa tctgcatata ttaagacca naaatgctaa atattgngga 240
tgttatggga gaagaagtgt tataaaatat t 271

<210> 25468
<211> 350
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25468

gggggtcaca actaattccc agggaggggc aggccactaa ccattacaaa ccttctaaac 60
aaacaaaaaa tcagcctcag gggcccagct ggatcagaac cgaaagtcac accaagtccc 120

aacgtctaca agactgaaat ctttgtggag gtcgtgaaac agagtaacca tgaacaaat 180
 ggcagccttc actcaatccc tgggaaaggg ttaagagtag actacgatga acccatagca 240
 ttcagactcg ctggaaaact caaatggctt gacatgtgtg gtcgggggtat aaaaatatgg 300
 tttgttgata gggagcatga ngttacgggg cgttggattg attagaaacc 350

<210> 25469
 <211> 541
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25469

agcncnncgc ggcgtcgggg gacgaggctg gatctatcgn ancccccaaa cnntagccaa 60
 aaatccgaan cacngcanc catcnccta agagncctat tacgaggatg atgtcgagcc 120
 acgnncncag ggggacaggg agtatttgaa tgctcaaat cacaatactg agaatgctca 180
 aaatgcacag aatgatcagg atgcacacta tgcctaacta atctatgaaa ggttctatct 240
 atttcaggat caaaggggtg gaaatcacct ggattgcccc taggcatgca ctatatgcag 300
 caaatcatgg atctctcaac aagcacctaa caagggggga aaactatagc tatactcaaa 360
 tgatatccaa acgagctgaa attttgagag caaccacct aaatcatgaa aatatgcac 420
 acaagagctc aaacaaaaga tcgaagtcca actatgaaaa ccacctaagc aaagggtaga 480
 aaaacaggac gacaacactt gaaaacaaaa caaacctaga aatgactgac ttttcagggc 540
 g 541

<210> 25470
 <211> 305
 <212> DNA
 <213> Glycine max

<400> 25470

cacatccctc ctatctgctc cctctgtttc cacattctta tcattgcaca tgtcacaccc 60
 actatactga tttggattga atcctataaa atacagctca tgtagattta tccattcgag 120
 attgcttaaa tttgaccgtt tttgactgtt tgattatttc acatatccaa gctgggtattt 180
 atctacgcac cccattaaac tgtagttac gtgagaaaaa aaagaagaac ttactctat 240

tttggcctca cctcgcacag tgcttgatgt gtattgatac ttatacacgt gcattgataa 300
ctgaa 305

<210> 25471
<211> 283
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25471

gaaaaaaaa tagaaatgaa agacagtcg ggaaaaatctc aaggtttttag gtagaattat 60
ctgatatgtg tggatattat attttttccc ttataaaatc tatanaaaat tataactaaaa 120
aataatccat taaaatctgt atgaatttta atgaaagata gttataaaaa atcttaattg 180
aatatcatca aattttattg atattaaaaa ataattctaa atatcttgat tgaatactat 240
aagatttttt tatcttattt aaaagttntg attgaatatt aca 283

<210> 25472
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25472

gcattatagt agtgtcatcc aatacatctt tgatgtctct gatttttagaa tgaacctcta 60
tattaaggga ttggtactct atattgttat tctttgatga agagtcactt tccaagagca 120
gtcgaattat ctaacagatc aagataagaa acctatatta tatttgcatg caaaaaatat 180
ctataaactc acatggatct acattgatag tctttattaa cttttaagta atcaaagtgt 240
attaagagaa tttcatatag acaaactagt agaactttat taataaaatt gaagaacaca 300
ggtatgcacc aagaattaat gtccaaccaaaa aaacatgca catatcaaga gtcaactatt 360
acctttctaa aagattcatt ggaagtcgtt catccaatac atccttggtg cactgagaaa 420
agcttganaa actaaagatt agaatacaac tggagcaggg ttaatgccg 469

<210> 25473
<211> 177
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 25473

taattttccg ggctctcgtg tccgtanaat gcattcatat catgcatcgc ataagcatct 60
 cticataaca tcataatgaa catatcattc ctgcatttgt cegttatcat attccagcct 120
 cacattttgc atgagtcatg gcatcatcat gcatatgncg ttcaacaaac ttttgat 177

<210> 25474
 <211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25474

cctcaagaag aaaggaattc acccagtgca tacaagtatc tgcaggcaca nataaatcct 60
 tggctgagct caagagactt ttaaaaggtc taatctgaga ttccttatga aaaaaattcc 120
 agcatagcca gttagagaaa gagagcctat atggccaata attattcttg ctgcacttta 180
 tgtaaataat taggcatagt ataataaagc aagcttattt tgcaaataaa ttggtcttgt 240
 ctttagtaaa aataaactgg agagagacaa attatggttc ataacagcta cagcacacct 300
 gttattagat tccaacctca tccattgttc ttgagcttct gctgatgacc ccatattt 358

<210> 25475
 <211> 80
 <212> DNA
 <213> Glycine max

<400> 25475

agcttttttc cctctctctc tctcacgttg ccattccctt cttcttctc accatggaac 60
 ctccatcaaa gctccaacct 80

<210> 25476
 <211> 534
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25476

agcgggtggcc ccagcccgtg ttcctcagca tcatgtacna cgcgcacata aanactcacg 60
 cgngaaggca cgtaaccac catctatgca tagtataaca tttgttaatg tccactatca 120

tggctatcat ggcggtgttt atcattaggg gtgctacttg agctgccaga tccctccacc 180
 tttgggcgta ttctttgaaa gattcatgct ccttcttaca tatgtnatgt agttgcattc 240
 tatccagagc catatcaaaa ttatactgat actgcccatt gaaggcaacc attatgtcct 300
 tccaagaatg gactcaagaa ggttccagat tagtatacca ggagatagct tccccagtaa 360
 tactttccta gaagaaatgc atcaataatt cttcatcttt cccgtatgct cctattttcc 420
 tacagtacat actcaagtga ttcttgggac aagtagtccc cttgtacttc aaagggataa 480
 cgacatcaag tactaggcac aactcttgca tgtcaccgaa acataaacct cccn 534

<210> 25477
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25477

tngcaattga tgtcaaatta cttgacctta gcacgggtca ccaagaataa tttgcactan 60
 aatcagaagg tacggccaaa gaagattctt tatgaaatat atctcgatac gagtccctcg 120
 actatagaat atcaacattt gctaggaaca agaaatcacg aacaaccata ctatctatgc 180
 aattaaggca aaacaccata ctacaagcat atccagaatt ataaggttct tatgataagt 240
 atacaacata catataagaa gtgaaaatta aatagttaat aaggatgtat taaggaatca 300
 caaacttcaa ccactacatt cagcactaca cacaaataaa gggagtaagt atcatcattt 360
 cacatcaaga agaccactct tccaacatat ttggtcacag t 401

<210> 25478
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25478

agcttactat catggtggaa ggtgaagggg gagaggacaa gtcacatagt gaaagcaaga 60
 gcaagagaga nagtgtgggc gccagaggtg ccacacactn ttaagtaacc atatctcatg 120
 agaactcact atcaganaga caacaccaag ccatggatca ttcaccccat gatcaaaaaca 180
 cctcccacta ggccccacct tcaatgctgg ggattacaat tcaacacgag atttgggtgg 240

tgacaaatat ccaaactgta tcagcagact aatacaatag tacattatga tcaaataagg 300
 tttatctcaa gatgtaaatn tgggttaacc atttgaaact aatcgtgtaa ttcacaaaaa 360
 ttacagcata naaaagaaaa atcatatgag tatctcacia gatgcagaaa caggatttga 420
 caaaattcaa taccatttca tgataaataa ct 452

<210> 25479
 <211> 479
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25479

nggggagttt tcttgatact acgcatnct cnaagatcnn gggatctcta aagacgacct 60
 gcaggcgtgc aaccttttaa tanggttaa nggctaccat caccttctg gaccttatta 120
 tccaaccttg tccaattaat tattaaaggc atttcgattc aaaaagggtc ttctaagttt 180
 aatacattta atatataacc tattttctaa tgtcacatcc tataagagcg tgggtgtccc 240
 gtgtcctcta gcatgagggt cttcatagtc attcacctat tcattctgtc ccncgaacac 300
 aaagtcaaga tcattcatatg atccanacac aaacaacaaa ccgggagtgat gtatcacatt 360
 tctactacta gagagaaaaa cacaacatat cgtaggcaca tcaatttact tagcatatct 420
 cacatttttc atcattttgt cattcatata tcacactttt attcattaat acaaccttn 479

<210> 25480
 <211> 352
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25480

agctngatat atttttcntt ctggaacnga taaagcagca tgtagtaatg tgaaagggtt 60
 cctcatatca caatatgtag caattaaaga aatgggtaaa gttgattttt ataaaagcct 120
 ctcgtagagg aggcttttaa atctgcagtt gattttataa aggatatacy atgatctcct 180
 cttcattact tagttgtcaa gtgttattca ttaacgaacg gcactcaaaa ttaccaggat 240
 atttatcgct aatctagaaa ttttagtttg atctacgac cagtttgatc taaaataaac 300
 aaaaactgcc atgtaccata ccttattact atgacatctt cttttcattc tt 352

<210> 25481
 <211> 372
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25481

tgcgagcgat tttttgtttg ttgtcatatn nnnaaaatat gttcttgctc tgttttagctt 60
 gccataatta tctcgttctt ttataatata aaatcttttc cccaaaatct cattttttcc 120
 cttgtcattt caattttaat aagagcagta tttcttatac ctgacatttg ttcaacaaca 180
 atgtaggtaa atctgcctat gcaaccttca caatntatct agttgagtgt ggaattctta 240
 gatacagaat ccttggtggc ggcgggaaat ctaatttttt ccatatccat ttttatcctt 300
 aataagacta gtcattctta tatctgacct ttgggtttaca atagtatggt tatatcttct 360
 tgagatctct ta 372

<210> 25482
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 25482

agcttgttta tagaattata agagagacat acatcttctt taatgatatt ggtggaacac 60
 atagatatat aaagtaaaat gatatatctt tttctaaaca atttaaatta aagatctctt 120
 atagtccaat aattccttgt gctaatacaa tccaaggaaa gacattatat aagtagaaca 180
 taatttatgt gtaaagatgt ttctcgtgaa attgttttca cagcaaaaaa attgaaacac 240
 gaatattcca tgggtgggagt gttaaaataa ttgaagatat acacattgac acattaaatt 300
 gtgcctacca aatttgtttt aaaaatatat tatgggggaa aaattacaat aaattca 357

<210> 25483
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25483

ttattaaccg tgaccattgc ctaatggaag gccttcctgg cttaaaaggg gtttccaacc 60

aacctcttca acctaattgg tggtaattcc tgcaggggcc ttgcctcgat ccacctagtg 120
 aagtaattgg ttgtcactag tagggatatt gactactcct tgggccttcg atagtgggtca 180
 catgttgtcc attccccaca tggcaaaaag gccaggggag ctcaaaatat ggaagttgtc 240
 aggaggggatg cgtggaatgt ctaccaactc ttggcatcgt ctgcatctct tgatgaagtc 300
 aaggggcacg ngccctgagt ggtgggcatg agtaaccag attgcaccaa ctttggtgca 360
 aaggatcttc ccctgatata gacacgcttt ctcttgg 397

<210> 25484
 <211> 530
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25484

aggggcccc nccccgggtg gtatggctag tactacgaac acngaccata gactctaagc 60
 ttgtataatg agaattgtcc ttcnacaaga ttttttattg ttatctgaag tctgagagct 120
 cggggcagat aagtctgcta aagctggagg tggngatgaa gtagaagatg tagggatgcc 180
 aactattggt gtaaaggaag aggaaatc agctactctg atcttgggtc tccttgtctc 240
 tggaaaatta actgtttggt cattcacatt ccaacagttc cttatgatat aagctaagtc 300
 aatggctggt cttaggtttt cataggaggt aagggcatca gatccactc cttcgtatct 360
 acacaaggct gtgattaaaa gtgggaagcc taatctagaa gagttaaact aagcgatcat 420
 ggtcatttgt ccagagatca aaccgccaat ggtcattgtc catccttgta ataagccata 480
 gacgaacctg gctctgntct gtgtcanatt tgaagtgcgt gaggtaggag 530

<210> 25485
 <211> 227
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25485

ccaatcaatg gggcaaaaca caccaaatga taatgaagat ggatgggtca cattctcata 60
 aaggtaaact catcactgtc aaattgagct ttcaaaacta tcatgacata tataggagaa 120
 tcaaggattt caagtcacan aatgtcaaga acttttattt tcaaaacaat taccatttc 180

ttgaacatat gctataattc aaagaaaaac atgcaaagtt gtacatg

227

<210> 25486
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25486

ttgcttggtta tgtctcagaa agaggctntg agatggaggg accagtcagt gcccagcctc 60
ataggtggga agaggctggt gagtccaagg agcaagctga gcagtggaaa tgcaccccaa 120
taagtcaggg ctgggagaag ccagccaggg ccccagcaca tggccacagg gccttataga 180
ccacgggata aggactctgg ggtttgttcc acaactaatg agaagctctt tgaaagactg 240
ggggttttga agaagacaat gtcattgatct cacttatngt ttagaagaat ctcttaactg 300
taaatanggc agaggagaaa tagcanaaga agtttgggtg aacatcagct ccaaaactga 360
taggggctta cac 373

<210> 25487
<211> 64
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25487

agctcggacc cgggatctct aagtcacctg cagcatgctt ctngttattc ttacagcacc 60
aaca 64

<210> 25488
<211> 226
<212> DNA
<213> Glycine max

<400> 25488

gaatataaat aagagcacat ccagtggtat cctattataa tcactctgat catctgtatt 60
cctatatata tgtatgaatt cgggaggaat gggtagatct gcaatcgcca gcacaatatt 120
taaccataa tctatctcgt ctgtcttgca tatatgaaca tattatgaca aacgaggttaa 180
cagacattgg gctatctaata caaccatggg tgtctacctt acaaga 226

<210> 25489
 <211> 78
 <212> DNA
 <213> Glycine max

<400> 25489
 agcttcatgc tgaagtatgt atggcaaaaa ttcattactg tggttcaaca catacaagtg 60
 agctggtaac aaatcttc 78

<210> 25490
 <211> 307
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25490
 agttnnattt anactccaca ccccgacccc tcttctgctc tgcttctctgt gggaggaacc 60
 ttacaaatnc caaatcatgt cagccaacgt atttaaagta ctgaaaacat attttangaa 120
 taaaatctga agaaaaatgc gtttcctatg cctgngtcac atcagtttgg gaaaaaatct 180
 gatgcaagaa gataaaatgc cagctccagt agcagaaacc aactaccaca tcaaagtttg 240
 tcactctgct tttggttgaa agcatggcan gcaagcggat ctatagtga gcccgctgat 300
 catttta 307

<210> 25491
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 25491
 agcttgttct gggtaactat cagagacccc actctgaggg agagctaatt ccccaaaga 60
 aacctgagat gcgctcaggc aggggaatgg atggaaagtg cacaaaacac acccttagct 120
 ctttcttctc tccaggtccc ttaatccctc caagggaggt ttcacaata cctgacagat 180
 ttgaaagact tgacttctag acctgtttct gagatgggta atgtttctgt ctgaataaca 240
 gagagcctgg gattttgctg cttatggtct gagagctggg tgaggatgaa gaaagaaaac 300
 ttctagtga tgcagaagtt gtactgtgca cttcacattc atttatctct tttaaataca 360

accaaagccc ttggacatat atattattat tccta

395

<210> 25492
<211> 135
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25492

agcttggctt taagcangta caaccagaa gtgtggggta attaatacca ctggaacaac 60
ccataactaa ttaatggagg acaggagtca ctaaatacat gttccagtcc ctgcatctgc 120
agtggagaac aactt 135

<210> 25493
<211> 332
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25493

agctgtatta tgcgttcttt atttagangn acaagccaca tgcaactgat gtgtgtgtgt 60
ggtctaagga aatgtcaaatt tntacattnt ttccatgcag ctctccactt gttgaaaaga 120
cttggccttt tccctactgc tctgtagtgc ctctcttgc atanataata cattcatatn 180
tctagatctg tttctggact gtctattcag ttccattaat gtgtatgtgt gtaattaatc 240
ttgatttctg atagtgttnc atcttgttct ttaattttct atttatctca actggttttt 300
gggggaactg gtggtgtttg gttacatgaa ta 332

<210> 25494
<211> 357
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25494

agcttccatt gacttgtatc agatttccag gtttgtcttc agtatcaatg aacatttaga 60
ggataataat agatctctga actgtatgac actatatgga ctagcctctg tttgttgttc 120
tccacaaagt agtcattntc caaacaacag cagcaatgtg gaagatgaaa ttataatcac 180
aatagactgg agaccaagag agatctgaag cataatagag tctctccagt ggaatgaaca 240

taacctgtag catcccttan gaaagttgta gataagccaa tttgtgttaa aagcanatng 300
gtcatcaaca cccagaaaag tgtccctata agtgagccga tctctggtat agtcaact 357

<210> 25495
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25495

agcccncact ggcttaccgg ctagngcatg canncttang acnaaccntn accgagangc 60
gtagacatga tcatgtcagg ctnggnnggt ttttgattta tggatgcccc cattatnggc 120
tgacgagatg ctaaagtatg attggaattt tatcaaaaact ggcatgcatg ccctatgcaa 180
cgctcagtat aaattttatg gcatgtgatg ctggggtcac gatcatttct ctatttagtc 240
aaccaaatgt tccaaaatat gtctttatcc atttggcatt catccaagcc atctcggcgt 300
tgggaaattc acgcattcac cttaggtgtc acacattttt tttcaaaaact agcttgacag 360
caattttctt caagaaagt gaatcatctt ttcaaagctg tggttttcac aacactatgg 420
ctttttctcc ttttttctct tattaattga attcttttct gcg 463

<210> 25496
<211> 57
<212> DNA
<213> Glycine max

<400> 25496

tataatttct ttctgagccg atcttgtgga gacttcttgc aaaccgcact tatctcc 57

<210> 25497
<211> 156
<212> DNA
<213> Glycine max

<400> 25497

caagttctaa gggcaacagt acattttccc aatgctaaag tcacctaacc aggcacacaa 60
atggttgatc agaccaagag cataaaaact ttaagcacta aaagaagcat tgaacacaag 120
aaacacaatc aattagatat taaagtaatt acatca 156

<210> 25498
 <211> 477
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25498

cctcggagcc attcctgcga aggcaaacat ttgttatggt agttttacca gngggacgtt 60
 actctgtaaa gcagaaatgg catataacct cctcccataa atacaaacat caatgtaa 120
 ntagagtaag cttatgcgca tacttcctta caaatgttct cttgcacaag acattctatt 180
 aaccgaaaa atgcacccat atacaatcaa ggcagctccg ttacctagat tatntacacg 240
 tacttctaag gtgtatntgt tacttacatc acacacatct ccttggctaa attcacatac 300
 atgcataccc aaagcattnt ggggtaccaa aaattgcaca tgtacacctc ttggtatttc 360
 taatacctat acatacacia actntatgat gaatcttgac tatctacaca ataagggtgct 420
 acatttcattg ctcttttcaa gttttngtac ctaaagccgc atgcaaattc cagtatg 477

<210> 25499
 <211> 53
 <212> DNA
 <213> Glycine max

<400> 25499

agtttattac taaagtctca ggaccagaag gatgactttc ccctttgctg gac 53

<210> 25500
 <211> 274
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25500

agcttggtan tttttcnc ctnanaacac agatatggtc tgatgtgaaa cagagaacan 60
 aaccaggaca ttatttgtaa gcccaaacat gacggtttgc aaattggccc aagctgtaga 120
 agatataagc agctattggt aggaggtttt ttgtagtggg agaacaagtc tgccatagat 180
 atgaccttca atgtgtctgc tttcccacat tatgtgacgg tctggagaaa tttaatatgt 240
 gtgtgtgtgt gtgtgtgtgt gtgtgagtga gtgt 274

<210> 25501
 <211> 83
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25501

agcnaatggn ctgatcacc attgntgtgt gctgttagga actttaccat ngggaaatcc 60
 cttgttttct tagaacctgg ata 83

<210> 25502
 <211> 293
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25502

atctttgttg cccatagggt aaatacctag aacctagtct aatctgatga ctgcgtatag 60
 cagttaacct ctacagtgat cagctgactg tattcccgta attggctcgc tgtactgtgt 120
 gactcaagct gtgtctactg aactaccatg agcttccact gaggaagaca agaccatgag 180
 cggatcctta cattatacac ttagctctca cactgcatct caagagcccc atttgcttct 240
 atgcataatt catcccatgg gacanaagac aagcgagttc atatgatcaa atg 293

<210> 25503
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25503

agctttttgt ctttttttat ccagangcta atatgaatga ttcccaaact tgtgcacatt 60
 gaaatcacca acaggtcttt caaaaaatac tgatgtgggt tgaagacatt gtgatttaatt 120
 tgttattggg tatgacttga gcattagtat tttaaaaatc ttgtagatga tttaatttta 180
 gccataaatg tatcccatag tttgtttatc ccataatttc tgattcttcc cacatcaaga 240
 atcaggtgac atcactgaag attgtacaag tattaagttg ataattagac aatataaaaa 300
 agcattatct caatatatct aacattgtaa tgaaatggag atttttgaaa tataaanatt 360
 actaaagctt actcatgaag aaataaataa cctgaatagc cctatatcta at. 412

<210> 25504
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25504

agcttccttg tcattatgtg gccttgngtg gagagaagcc tctgaagctt atcagctagt 60
 ctcagcgtgt ttacgttga gcaattcaga tagctaagcc agctctctgc taaatgaggg 120
 aggaaataag ccccgagctg atctattcag tctgcctagc cctgctttga atggagttgt 180
 tattcaagtg tttcttataa gactatgtgc ttgtgctaca agcacaccga agataatttg 240
 cgtctcatta atatatgagt gttcctgtcc ccacggctgt tctgctgcc aagcagctga 300
 gatttctgcc ctcatattca gcctctgaga gccctganga ggtcccggtg cttcctggcc 360
 tcacagcttg actggatagg cacaat 386

<210> 25505
 <211> 552
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25505

cctccacagg cnnccgcgagg agtggaggat gaaccttaga tgancccata gaccaccnca 60
 catatagaaa ctcaagcttg cctcanagag gtccaggaag gacaagctgt cgaaggatct 120
 atttccactc ctgagtatga cagtcaccgc tggaagagcg ccgtacacca gcagcgcttc 180
 gaggccatca agggatggtc atttctccgg gagtgacgcg accagctcag ggatgacaag 240
 tatacggatt tccaggagga gataggctgc cggcggtggg catcactagt taccctcatg 300
 gccaaagtctg atccagatat agtcctcgaa tnttatgcc aatgcttgcc aacagaagag 360
 ggcgtgcgtg acatgaggtc ctcggttaagg ggtcaatgga tcccgtttga tgccgatgct 420
 atcggccagc tctgagata tccgttagtg ctggaagaag ccangagtgc gagtatggcc 480
 agaggaagaa ccggtctgat ggggtcgatg aagaggccat cactcaattg ctatgtatac 540
 cgngcaaga ag 552

<210> 25506
 <211> 174
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25506

gaaaccaaac cttattccaa ataataaaaa acaaaccaca tagtatcaaa gcataaaaag 60
 ttgaaatcca aattctacaa gataaataaa gtacttaaca ttataatcta aattctaaga 120
 aactaaatag ccaaaatata cggtttataa gtgacatant aatagaaact gaat 174

<210> 25507
 <211> 468
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25507

caccagctc gccaggcga gcaaagttgc tttctccagt ttacagcct tctggaggaa 60
 tcgtctggag ggcccaagtg ggcttggtg ctatttgcac ccncattntt actaaacaca 120
 cccctaccc tttttttggt ggttctttnt tcgtaaagtt acggaaactt acgactttcg 180
 taacgatact tgttttcttt ccgtaatgtt atggaacctt gcggattaca taatcatccc 240
 ctttttgact tacggaatgt tacggaacct tactatntgt gcaacgatgc ttccttttaa 300
 ttccggtgtg tcacggaacc ttacggattg tgcacataata ttttcttttg attttcggca 360
 cgtcacggaa ttttcacaaa tcgctaata atgggtgcc aagacaccaa aatgacacaa 420
 cacaagttgc atgccaccaa gcanatgtcc ccgaacgaaa ttatgggtg 468

<210> 25508
 <211> 373
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25508

cctctaacca ccaatggggt ggggtgcacaa ggaacaaccg cataataatc tgccaccacc 60
 taaacctaata ggtaaaacct aacaatggct cttccttttg cagaccacca ccaataatt 120
 gtcacacaat tcttccaatc atagtaggtg cactaatgat tggcctaccg tccaccctta 180

tgccatgctg cagtgtctaca tntcttagtg taattgtcta ttctcaacaa gaagatgaaa 240
 agtttgtgct ctgggtccat cactcaaaaag tgagtcacta gtgatgataa ttttgagtgc 300
 ataaatttgc acattgcaaa cccgcatgag caagcacgac tcattaagga taagagccgg 360
 catgatgaca aag 373

<210> 25509
 <211> 110
 <212> DNA
 <213> Glycine max

<400> 25509
 ttgcttattt ttttcataag tatgaaaacc aggggacatc tgatctgctc attgaccgcc 60
 tttacaatcg ctagctaatt cgaaagtaat ctgctgtgag ctctggctat 110

<210> 25510
 <211> 235
 <212> DNA
 <213> Glycine max

<400> 25510
 ctgcaattga cctaattggg gtttttcatt cattagctct tccctgaaaca aggatttctg 60
 cttctcccat gattgaaact tcatttgggt cttcttttcc ctcccttgaga cctcttgaca 120
 gcttggtggc gactcagccg cttgtaactt agcaacctcc atctctttcc tcagtgcagc 180
 attttccacc tcaagtttcc ggacatcagc attggttctt tctacctgtg cactc 235

<210> 25511
 <211> 546
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25511

agccaccccg cctctgcccc atgacacaag cngtgccagn agtacngnga cnatacaata 60
 ctcaagctgg ggacaaccaa tattcttgtt cttgccaagc catttctgag ttttatataa 120
 ataagaagat nngggggggt gaggacacaa tgactgacac tctatcgtct taaaaacgaa 180
 taagagaatt caacacgtag tgttttctct tgatatgaac aaagttttta gacagactct 240
 ctaaactcta caagaattta caaagagagt tttttatgca aataatgaaa tagtgaacac 300

ttcaaatacaa acttcatgtc ttcaaattctt ctagtattta tttgcctctt tcaatcaatt 360
 atatgtagtc tctaaactga catatttcct ctctttaage ttgcatttga agaaatggcc 420
 attgggggat tcaacaagtg tattaatgc atgtacttct tcatgttgag aaaccactct 480
 acgtcgctga catgttgaac actttagcta gaaaacactt ctttttgtgc acaacaagtc 540
 tatgcg 546

<210> 25512
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25512

ccaaaaagaa gtaatataac tcagtgtaga taattgggtg tttccaagc catggaactc 60
 aaacatgtgt agattaaaaa atgagaggac ctgatatcat gagacttcac atgtngtatt 120
 caggatcaga cccatctgac ttgataaatc attantgttc attacagaga cacatacgac 180
 ccttttttcc ctaattcttc tgtcatggct tagttgaaaa tcaaaactgt caaagtctaa 240
 gagaagtttc aattgtaggg ttccttgtga caaacaatc tctctggcaa agtctcagag 300
 tacatctatt tggttcattt gttagaactc tccctcattt tatcataaac accttttgac 360
 ggcagctctt cctngaagtt atcatgtgaa aatagagagt n 401

<210> 25513
 <211> 319
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25513

agcttctatc ttattccaaa tgtaaattct gtctcaaact gttagcatga ctactgcatt 60
 ntacctcagt tctcctctac tganacatcc tctcaacca gtgaggataa cagagataag 120
 tctgatgaag atataagaca taattccaag atttcagatc taagtcatca cttgcaaatt 180
 cagegattat ttaaatttgc cattcttcat aaactagaac aatatctgga aattgtctct 240
 ctgtctctgt ctacacaca cacacacgtg cacacacaca taaaaatcta atgctacctc 300
 actgtcccaa ttcacaaat 319

<210> 25514
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25514

agctttgtta tgggataacc caagaatact ccagaagagg ggganagaga cattgaacan 60
 nathtagagg caatattgaa caagtganaa taacttanaa aatcacagat agctgagtta 120
 tacctaagat ttactcagga atgtggaatt cagaaaataa agtagagaag agagatttct 180
 tanaattaaa tgatttatta aaatgaaatc aatttcttgt gaagttggaa ctaggaggctc 240
 tcagatgcaa tggataactc ctgcaaaaat gatgaggatg gtgatgataa tgcttgctaa 300
 aatttattgt gcacttactg tgtgtcangg cactaactta ctaacttgct cttgacttgc 360
 gtgagcttgt nntgattgac acctcagtga agctcattct acatgat 407

<210> 25515
 <211> 470
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25515

cgggcgacat ggcttgtant ctacggnaaa natgcacgna cccgggatcc ttagagncca 60
 cctgcggcat gcaagcttac taactntcca tccancgaga aaagggagag gctcatgcac 120
 aanngcctag gccatngcac cccaaattct gacgatataa tcaattcaat tgctagaagc 180
 gtaaattgta tagttcatag tgttacatgc agttgaaaca attgtctgat taagagaata 240
 ctttttgatc tactacagga gtgtacatat cgatcaattc agatagaata gcttctaatt 300
 gattatatat tgactgaatt gctggattaa ataaactgac ttgtctgttt aaataaggctc 360
 agtccgaata aactaatttc aaactgatat aaacaagtcc attcaatcaa taccaaacac 420
 gcttctacaa actggagtat ttacaacat actcgacaac agaatacact 470

<210> 25516
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 25516

agctnttcta anaaaaaata attaataatt aaatctctga agtggatata ttcttcctan 60
atcaatggca cattgtctnt gttactntg ttgttggtat ttcttttaa tagtacgttt 120
gctgtttgaa cactcgtct aacttcagtt cattcaaaaa cagttcattt tgaaaggaac 180
aataaggaac aaacgaaata cacacatgat atggattggc tgtatcccca ccaaattca 240
acttgaattc tatctaccag aattcccaca tattgtggga gggaaccag gggaggtaat 300
tgaatcatgg nggctgatct ttcccatgct attcttctga tagcgaataa gtctcacaag 360
atctgatggg tttatc 376

<210> 25517
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25517

tgagaagcta acgctntaac tattaacacc cttctaataa ctaaactcac ctcttgaaa 60
atacttatgg ataaaataac acaacaaata atcaaacatc aaacataatt attaataata 120
tgtagatata tatatatata tatatatata tatatatata tatatatata 180
tatatatata tatatatcaa ggggtgacaa ctctcccacc catttataaa tgtcgcccatt 240
gtatattacc ttactcaaac aaagatggat gagctactcg gatatatctt tcctatatcc 300
acatggcatc atattctgat gcacactcct atatactttt accaataaaa atctttcctc 360
ttaagtgtat ggcgcatata tcaaataaaa gcatgattct act 403

<210> 25518
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25518

agcttatgct tatatttccc tacgaacgtt cacttgcaca agacatccta ttaactaaga 60
aaaatgcacc cacatacaat caaggtagct tccttaccta gattatttac atgtacttcc 120

aaagtgtatt tggtatttac atcatacacg ccatcttgtc aaaatttaca cacatgcata 180
 ctcaaagcat ttctgggtac caaaaattgc acatgcgctc atcttggtat ttctaataac 240
 tatacatata caaacttcat gatgaatctt gactatctac acaataaagt gctacatttc 300
 atgcctttgt tttcaagttt ttgctaccta aagccgcatg caaattcaag catattntcc 360
 tttgctaact aaaattgtat tcaaattata tatatatata tttatggaat atgtgttctt 420
 tcattca 427

<210> 25519
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25519

agctncnatg ttattacttt cttgagaagc tagagcttag cgacacacac ccgtctaaaa 60
 actaagctca cctccttgag aagcttcctt gagaagctag agcttagcta cacacacca 120
 tctaaaaact aagatcacct ccttgacaaa atacaggaaa atacaaacaa aaagtcctta 180
 ctacgaagac tactcaaaat gccttgaaat acaaggatta aaccctttac tactagaatg 240
 gccaaaatac aaggcccaaa agaaggataa agctattcta atatttacia agaagagtgg 300
 atccaacctt gactcatggg ctcaaaaaat ctaccctaag gttcatgaga accctagggc 360
 cttctttagt agctctagcc caagcctctt ggagtcttcc atccaatacc c 411

<210> 25520
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 25520

agcttcttag tttatatgat gcagatggag ccatcttctc aattaatatt ttggcttcag 60
 caggagtcac gtctccaagg gctccaccac tagcagcatc tatcatactt ctctccatat 120
 tactgagtcc ttcataaaaa tattggagaa gaagttgttc tgaaatctga tgggtgggggc 180
 aactggcaca tagtttctta aatctctccc gagactcata caggctctct ccaactgagtt 240
 gtetaatacc tgagatatcc ttctgatgg ctgtggctct ggaaacaagg aataatatct 300
 ctaagaatac tctcttaaag tcatccacc tcgtgatgga ccttggagca agtaatacac 360

cagtcctttg ccactcctct aatgaatgac gaaaaccttc agaaaattgg acctcttgac 420
 at 422

<210> 25521
 <211> 436
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25521

agctnannat tttattataa ttttttaact nactmntata agattacttt cagacgtaat 60
 tacaatcttt taatgctaata tnnnttagaa acttgaaaaa tctaagacag tgtatattgt 120
 gccaagaaat taaaaaaact ttgatttgca aatattgtct gacttggtat ataataccct 180
 cttgtcccggt gaaccagtta agaccggcat gataaagcat attcacagga gaaaactttg 240
 ctagttgttg accaagcaaa cagtgatagt tctctattca taacattaag tctgtccaca 300
 ctaagcatgc aaattgaaca tactcttgat gtacaaagga cagtaagtat caatttaaca 360
 aaaaaatcaa aaggattctg tggcctgttt gaatcccttc agctttctaa aacaagttta 420
 gactacttat aaatca 436

<210> 25522
 <211> 473
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25522

cgaccgcgaa agacaaagca acacaaagaa caaaacgaca acacaaaaaa acacaaagag 60
 gggnnnttgat cctcgacacg tcattnaaaa naccgggcn gtaanagaag acagagcagg 120
 caactttata tcaacaagaa cacccaaggg ggcaacagag caaaacaccc cagctaaaaa 180
 catacaggac ccacgaacct aacatgaggc caaaagacat caaacggaca aaaccgaaac 240
 cccggatattc tccggggccg agaagagcaa gcacgcaatg gccaggcaac aatcggcgaa 300
 aaccgactcc cgacaaggaa gaacaaccga ccatccacag gcagccccag aggaaaagca 360
 aaccccgacc caaccactga ccacagaaca aggcataaac gccccacaca agtccggcc 420
 ccggaaaacc acccacagga acgcgcgaaa caacacacga gggcaccccc cac 473

<210> 25523
 <211> 340
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25523

agctttttat tccatacttt ntagcttcaa tgcgagaaga cgtactcatg gctaggaatc 60
 caaaatntgg ttttagaaaa gcatgaaaat tgggacttgc ttgcgagagt ttttactcga 120
 atttgttctg caccatgatt gatactctgc acctatgtaa cgtgggaaat gcttttcaat 180
 ggtatgtaga tatatgtgta aatataaggg gcatgaaatt ccttgccaag tgtgaatgat 240
 tattttccta catggatgta tgatagcatg gaattctctt ttgaatgcaa gtgtgtgcag 300
 gatgtaatta gctttccaat atgcatataa ataaatgtga 340

<210> 25524
 <211> 298
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25524

agctncttat ctcaagctca tcttgaggga gaagctgctc cttccatggc ttattcctta 60
 ctaccaagac tactcagaat gccccgaaat acaaggctaa aaccctatac tactggaatg 120
 accaaaatac aaggcccaga cgaaggaaat acctattcta atattttaca agataagcgg 180
 gtcatactt atcccatggg ctcgaaatct accctaacgc tcatgagaac cctagggcct 240
 taccttggat ctctaacca atctacgtgg tgtctttctc ccaatgcctt tgcggggt 298

<210> 25525
 <211> 256
 <212> DNA
 <213> Glycine max

<400> 25525

agcttttctt ttaatttatt gtcacagca tattggagaa tattcacagg caccttattc 60
 ttccccacca agaaactttg aaagcagttt ttgattgttg attccctcat caaacctgtc 120
 aaaccttcag caaccaaata gaataataac ggggcctatg gatcccttgg tgtggagcct 180

ctttcatgct taaattaatg gttgggctac cattcactag gattgataca gaagctgaag 240
 tgatgcttac atttac 256

<210> 25526
 <211> 409
 <212> DNA
 <213> Glycine max
 <400> 25526

agcaagggtt ttttgtattg gcaagaaact atggaatggc agagttgaat taataaagat 60
 caacaaagta tgaacttttag ttgaagcttc aaaggatata aaaccaattg gttgtatatg 120
 ggttttacaag acaataattg gagcttattg gaagggtgaa acctacaaaa ctgccttat 180
 tgccaaggga tattgtcaaa aggaaggat agattatgac ataacttttg tcccatggcg 240
 atactcaa at caatttggat gcttcttgct atattagcat actatgatca tgaaatatga 300
 tatggatgtg gaaaatggct ttccttaatg gtgagctata ataacatgtg tgtatgacaa 360
 aacttgatgg atcacatcct agtcttatca taataaagtc tacaagttt 409

<210> 25527
 <211> 273
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25527

agattgtggt gactcgatcg agnccgctc ggacgaggcc gcgcgtattt tctaaccctg 60
 aggggttagac agtgccttgc ctcaaatacc attattctcc ggattataga ggggcaaaaa 120
 agcccccgct tttttgctaa gtctctgaca gaacgctcga agtatatgcc gccggcctat 180
 tctccagcac attgagacat attcgtgac ctctgaccat tttttaaatg gaaaagggtc 240
 cgacaactgt tcttgagaa ctaaaaactc etc 273

<210> 25528
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25528

tatcttgtgc ttatttgta cagacaaagg gatccaaata atataaacta aaaaattaat 60
aatcaaattg tattgataaa aaaatgtgca taaatcaagt acaaacgctt caaaacatag 120
taagatcaaa tagtcatttt agttgaaaat ataaaaagaa gggaaaaaaa ggcataagac 180
actaaagtta gaagctagat ttaagaacaa aatcaaaacc cttgaaattt aagggtgtgtg 240
agacagaact gaaccgaacg aattgtgact tttgaagagc aaatcaaagt gaaaataaat 300
agaaaagggg gattgttttg aactaagaaa tatatacttc atggcatggg gtttgaacag 360
tcatatcata atcgctctct cactactaga aaaatgactn tntatgacga ttattaagt 419

<210> 25529
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25529

agcttctttt gtactttgaa caagcaatca actcctcttt cagaaccatg ctatgtgctc 60
gcgactgggc cctttcttcc cttcgcaact tgagttcatt attgctacc catagagctc 120
cgcgaaattt gttccggcca tactcttctt tgcgagccct cttgggtctct tgttcaaggg 180
ctcttgcggt aattgcattc tcttcccgta acccggcaca ctcttccga acgtgtgtag 240
cagccaactt gaacttctcc ttggcgagtt tttccttcc taactcgctn ttgagagctt 300
ggacttcttc gtctcttcc ggtgcttcaa aattctcttc gctgacgact ttttaacttg 360
cgagccaatc taaacctcgt atgc 384

<210> 25530
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25530

agcttggact tatgtttggg atgtngacgt ctaagcggag cggctctttt gttgttacta 60
atgtctttcc ttatggtaca gttgagatca taagcgactc cacaacaag agcttcaagg 120
tcaatggaca ccgacttaag acattcctca caaaccttc tttagtggac gtagtggtgg 180
aagagacttc ttactcttc cctactcttg ctctaccatg acttatggag ttntcttttc 240

ctacctcctt ctttacttct attacatttg tctgattcta tttgatgggt taattgcttg 300
 taatctttta attgtgccac attaacgaca atgtgttggt taagtatgga ggggtgttct 360
 ttggttatgg atctggtaat catgttaaatt taccttaatt 400

<210> 25531
 <211> 408
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25531

agctngagaa taaatttcga ccttgctggg cgggctgggt gcacgctgag tgagcacatc 60
 tctgactgat tatcttcaag ggttntccaa cccactaagc gagctatatg cctcgcttag 120
 caaatgccac tcgctgagca gatcagcctc actgagcgag tcatcagtta cttgaacctt 180
 ctcttctttg gcctaaaaca gagggtgatt caacattaat tcatagaatg agagtatcta 240
 ctctataaaa tcacactaaa cataaaaata tgtataattc gtacaaaaag aaccataaat 300
 tggaggtaag gcgttatctc cttgcaaata ttcaacataa aactaactca tgaataacga 360
 ctaacaatga ctagattgag tcacgacgac atcgatggca cttccaga 408

<210> 25532
 <211> 203
 <212> DNA
 <213> Glycine max
 <400> 25532

taagcactgc agctgcagct tactttttta tttttaaaaa ttactgcagc ttaagaataa 60
 atgaacattt attatacaat gagatataag tggttacaat ggagaaagta atacacagag 120
 ggtatcaaaa catagtgaag ggggatgaaa aataactgaa acaaggatat acagatactt 180
 aaaagaccca gctgtatctt atc 203

<210> 25533
 <211> 527
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25533

aatggaactg atgacgctgn agtaacgtgc aanttagcta agaaccggga gcctctanag 60
 acgagccgca agcatgcaag cgacnannng taccttgaac aanccaacaa cncncncng 120
 gaggagcgtg tgtctatgcg ctgcccacgt ggctctcttt ctctgccttc gcaactgtga 180
 gtacatatat gtgtacccc tatagagctc gcgcgaaatg tggatcgcg acatactttt 240
 tcgtggagag cccttgtgtg gtcttttgct acgagggctt cgaggggaaa gatgctattc 300
 tttctcctga taaccggaca attctgtttt acgggtggtg tgcattgcca catgaacttc 360
 tccttagcga gattttcttc tcccgaacgc ctctgagagc cgggacctcg ttcgtccctt 420
 tccgggcgtc ttagagttct ccgcgtgcca ctttgtactc tggctaggca tctaaaactc 480
 tgggtgcgaaa cttcagcctt cgtggtaccc ccataggggc catgccc 527

<210> 25534
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25534

agcttttntt tttgatgtt gcctaaaaaa tttacaatgc agttcggcta ggtttcttcg 60
 tgcgaactga accgaagtgt tgtttcggcc gactggcatg ttctcatttt gtcggccagg 120
 aaaacattag cccacctcgg cataaaaaac atgattcacc gatattgaca ggagaagaaa 180
 aatgctagcc gacgtcggcc aggaaagatg accgaccgag gtctgaaaaa gaagcatgac 240
 cggatgactc cggtcgaaca tttcctaaca gatatcatcc aagtattatt cacggattga 300
 atagaaaaaa caatagccga catcggtagt tatatagccg tgactgatat ttntcggccg 360
 acattgcgca atttctttta c 381

<210> 25535
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25535

agcttttget tttaatatct tatnngnaa tttacaaaa attgcttccc tatcaattag 60
 catctcatcc actgctgcca ctgatgaaga tcccattaga tattggggaa tactggggcg 120

atttctgcc aaggttactt cgaaggggtga aactccaatt gttaagtgga ctgatgtgtt 180
 gtagaacat ttgaccaca taaaanattt tccccagtt gcaggtttat ggtgaacgaa 240
 cgcccgaag tattattcga caactctgtt gatgaccttg atttgtccat ctgattgagg 300
 gtgataggca gaactcattt gcaatttcgt tccacgcaat cgaaagagct cttgccaaaa 360
 cttactcaca aataatgggt ctctatcaga cacgagactt cgaggcatac cat 413

<210> 25536
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25536

naagcttatg atttgtatg gtcttgtgaa aattaaaatg gcgtgggtaa cagacaaaat 60
 tatcggctca tttcaccaat ttgagtcagg aaagacatgt acacgcatgt ttaaaaacta 120
 ttttagcaata acaatagcag caatagttag tagtctacta ttactacttg accaaaaatc 180
 atgttgatct cgaatcccc tatctttctg ctctgccaca tagccagaga aaagattatt 240
 acaagttaag taacaaaatg agagaaacaa tgtaccangg atgacaataa tagattgagc 300
 tatatatcgc tattaataat aagtaaaaat atttcttgca tatggatagn cgaacctatc 360
 aaggatactg tttaatattc taaggggaac aatacag 397

<210> 25537
 <211> 227
 <212> DNA
 <213> Glycine max

<400> 25537

actttataac ttaaaatagc acaaagtgtg atcatcttta caaaactaac aaagatatc 60
 tcaatacatc tgcaagaatc cgaactcgat ggcatactcc gaaatcatga agacatatga 120
 catggtctca tgcggctctg agagattata taatggcaac agtgcctctc acttatgaac 180
 acctacaaca tgcttaataa tagtttacca ctttacgtca ctacaac 227

<210> 25538
 <211> 413
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25538

ttgcttanac tttgttttagc ctaccatcct cagactgatg gccaaactga acggaccatt 60
cagtcgttgg aggacctttt aaaagcatgt gtcttatagt agaagggaag ttgggagagt 120
tttcttccat tgatagagtt cacttataat aacagttttc actctaccat tggcatggct 180
ccctatgaag ctttgtatgg tagaagggtg aagacacccc tatgttggtc aaagcccgga 240
gaaggcctca ctttatgacc agaagtggta caacaaacca ctgagaaagt taagttaatt 300
catgatagga tgagaacggc tcagagtatg caagaaagtt atcatgataa gaggaggaaa 360
gatttggaat tcgaggttgg tgatcatgta ttcttaagag tcaactcgtg gac 413

<210> 25539

<211> 389

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25539

agcttgaaat ctactcanag cttaatcagc tgccacaaca aatgaagcc ccacattaca 60
attcttattg atacttttat atgggttagcc aagtggacaa aatgaccaa taatttgata 120
agaaccttcg gacaatccca ccgcactgat taagaactta ctaagaagag caagaaacta 180
aggtagagct cataccttgt taactggcag cgtagaaagc tttgagcttt gagcaccac 240
gactgttcca agagcagtgt aggggtttct tcgaccaca gttccaacag tagtgtaggg 300
ttttctttga catttctttg ataggggggt ctatggattc cagcgagcga tttccgacag 360
tattgaaatc aatgtggggc aatgtgggt 389

<210> 25540

<211> 409

<212> DNA

<213> Glycine max

<400> 25540

agctagcatg ccttttgaac cctattcaaa tggcacaac cttcaataag gcaaatataa 60
atccccaaat cagccctata cccggagctc accaaatcct tcaacaaatc aaaagccaat 120

ccaaccttac cctcagccac aaacgcctca accagcgctc catatatcac cctatccacc 180
 aaacaaccct tccccttcat ctccctgaac aactcatacc cctcctgaac cctccccct 240
 tttgccagcc ccacaatcat ggtagcatat gccttcacat ccggcaccac ccggggccctc 300
 ttcattctact cccaaaccct cagacacgca tgcagattac ctgcaggcac cagaatcttc 360
 accagcgccg tgtatgcaga cacatccagc ttacacaacc tctccctta 409

<210> 25541
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25541

gaacattgca aggatgcaat tctttatgga aaagatcaag acattaccct agaagaagtc 60
 cagacctcaa taatgaccaa cgagatgcaa aaacaacaag actccaaatc tgacgataat 120
 ggtgaaagcc tgaatatttc aaggggaagg agtgaaatga agggaacaag acgataaaaag 180
 tccagatcaa ggtcaatgga ttcaaagaat ggccagaaaa caaagtccaa atgctgtaat 240
 tgtcacaaaa ttggtcattt cgagaaagac tgcccagaca agatcaagaa aggatctttg 300
 gactatgttg acatgttgaa gcctctgaag gttatgacag tgcattgtgn tatataacct 360
 ctaataccaa aacac 375

<210> 25542
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25542

agcttttgtt cttgtgctcc aatcgagaca tttgagcttg cacattgtga attgtctccg 60
 cgttgcgctt aacatcgga ctgagctcct tcattcgctt gttatctgcc atggctagat 120
 gaaagcacca atgaaaggga attactacaa attgaaggat gtactcgtn tattcccgt 180
 ttgaaaagag aatcaacctc taagagtaca gtgtgtacaa ttagaaggac tgaatacaat 240
 agtcatagag agaaagagaa gaagaaagag aaatgttcac accttcctac ctctcactac 300
 ccattctccc cctctaaata ccactattag ttggttacat aatccaccaa cctaaagttg 360

gtttttctct ctctcacact ctatctgtta cccatagtgg acacgtgtga tttagcanat 420
attcccccttc 430

<210> 25543
<211> 286
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25543

tcgttaagca ccgtaaataa acttccaagc atcggttgac aanctttcgt ctgtacgtca 60
gtttggggat gatatgctga actgaactta ggttgtgtac ctattgcttt aaaaatggct 120
ttccagaagt tgcttcaaaa caaacgggtca cgatctgaaa caatggaaga tggaaatcca 180
tgcaatctta caatatcctg tagaaaaact gcagctactt cggtagcggg gaagggatgt 240
cctaattgga tgaagtgggc atattcagtg agtcgatcaa ccacca 286

<210> 25544
<211> 501
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25544

nacggtgact gcnacccatg cagnacnntc aanntttaca agnaccgcc aggcgatata 60
gtagagccga ccggcaggca ggcagactct tactgaaatc ttataagag gaaaccgggc 120
gcgggaggag ataagcaagc tcacagaaac ccgatctcat agaggcgcgt tagaagagct 180
atgatctctt gctctaatat ccctcggcaa atcggaactc gccaatctac aactatcgtg 240
tatacaccac tgactcgagt tgcgctgccc tgtctgtatc agaactagtc agaacaggac 300
acaattgtac acccaataga aagccccagg acagggtaga tataaatgga ccccccatc 360
ccgcacggcc aatgttacac gctatccaac cattaaacag gcgtccataa ttgctgcaga 420
agccacatac ttcacctact acctgctagg atgctgaccg tgactacata aatctccacc 480
atctctgtca tgagagagac g 501

<210> 25545
<211> 416
<212> DNA

<213> Glycine max

<400> 25545

agctttctct ttgccatttc ctgcaaaggc aaacatttgg aaaattagtt ttaccaagaa 60
atgctactct taaaacaaaa atggcatata acctcctcca ataaacacaa acatcaatgt 120
aaatttagag caaacttatg cacatacttc tttacgaacg ttcacttgca caagacattc 180
ttataactaa gaaaaatgca cccatgtaça atcaaggcac cttcgttacc tagattattt 240
atatgtactt ccaaggtgta ttttctacct acatcacatg cacttccttg gctaaattta 300
catacatgca tactcaaagc atttggggta ccaaaaattg cacatgtgca cattccggta 360
tttctaatac ttatgcatat acaaactttg tgatgaatct tggctatcta cacaat 416

<210> 25546

<211> 395

<212> DNA

<213> Glycine max

<400> 25546

agcttgctgt tatctctccc aggcgagcaa gggtgcttcc tacagaagca acagccttct 60
ggaggaatct tctggagggc ccaagtgggc ctagttgcta tttgcacccc cctttctatt 120
tttttgtaat tctttttccg taacgttacg aaactttacg aatttcgtaa cgatacttat 180
tttccttccg taaggttacg aatccttacg gattatgtat ttactctttt ttacctttcg 240
aagaagttac gaaaactcac gcattgcaca aaaacacctc ttttcaactt ccgccacaat 300
acggaatttc atggatcgcg caagcctgct tccttttgat ttctgagacg tctcgggact 360
tcatttattg tgcaacaaag gacgccaagt atctc 395

<210> 25547

<211> 425

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25547

agcttgtttg tttaatatgg tttggttaat ttgcatagta cagagaatga atcatatgga 60
aattctttct tgtatgaaag ctaggtaatt aaagaggaac tgtgtanggt gaaggtaag 120
ttgggggggag aagagtgcaa tttgataggt gcttggagaa cacgaatgaa tgccatgaat 180

atgatcatag atctgaaaaa gagttcatgc cctcacctca ctgacctcat aattggagtt 240
 ctcttttatt tattagaaat tntcagtaag agatatataa acacaatcaa tatctaaatt 300
 atgttcaaat tttttaagta tatgtttaac ttattcttct tatgcttaaa aaatgtgaac 360
 attattattc tcattttaaa atcaacataa ttgatattgt actttnttag agattagttt 420
 gatta 425

<210> 25548
 <211> 314
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25548

agcttttgc t aatggtat t acctnga atn aatngcgtga tagccgtttt gagccttggt 60
 tccctttcct tgttttgaag ctactacaa gccttaagtg aaaaaccatg atattaccat 120
 atccttaagg aatnttgag ctttggaatt gttttgcgaa taagtgtggg gggtttttgt 180
 ttcattggac aacttgttt gttggctatg cttcatgatg tttttgggc catacttgat 240
 gtacattgta tattggataa atgttgga c tgctgaatga aatgttgttt ctcaaaggct 300
 gaagagtaaa aaaa 314

<210> 25549
 <211> 351
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25549

tctgctntga gtttattcaa acgacaataa ctgtnctact ggatgtctga ttgagtcccg 60
 taatatatcg agacgctcga actggaatac cgaagctctg agataattca aacgacaatg 120
 acttcttact ctgatgtctg attcggctccc gtaatatatt gaaacgctcg atattgaaag 180
 ttgaagctct gagcaacttc taactacaat aactctttac tcggatgtgt gattcagtcc 240
 agtaatatat cgagacgctc gatattgaat gttgaagcta tgagcagatt caaacgacaa 300
 taacttttta ctcggatggc tgaatgagac ccgtaaatat caagacgctc g 351

<210> 25550
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25550

tctgcttcca tcttggttg taataaaaaa agaaatagga cgaagtgctt gtgtttgcaa 60
 agttggaaga aagtaataga gaaagataat gttgtgcgga tgtattaaat gaagggtgaat 120
 atgacttcta tatatagggg tcagggttaa gggtttatga cctaagggtta gggttggaat 180
 catttgatc tccttgcgta aagctaaagt gtctctaag cacagacaaa aagaaaaagt 240
 gtttagcaca aagcattgga ttccttgacc taagntagg gttaagggtt agggtttagt 300
 tattatatta cggttagggt cttctatgta ggtatatagt tcatgggtag ggtaaatggt 360
 tcacgaccta nggttanggt ttgaagcatt ggattccctg acttgatttg ataaggatga 420
 ag 422

<210> 25551
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 25551

agcttgtagt tttatgtctc atattaatcg attacagcct tatkataatc gattacacaa 60
 ttgtttttga gaaaatgatt gatttattca ggagtttctt ctttaataca ttaccatgtg 120
 atataattga ttacttctct ttctataagt gtttcagaat tggacaagaa cactttaatc 180
 tattactttg gatattctaat cgattacatt gttcttgagt tattttctagg ttttaggaag 240
 agcactttta tcgattaata agataatcta attgattact tcattgaatt aattgattac 300
 cttgttgatt taatctatta caggcggtta taattgtttt ctctataaat aaccagcttg 360
 tgttctcttc ataatacaat gaaataagct tcagaatgag ctaagatcat gtg 413

<210> 25552
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 25552

aaatatgcga taggataagc agtcatatat agtaacacat tttccttccg gcacattaca 60
 tctgaatgga tgagttgaca tctatggccc taattcgtaa ttctggcatc agaccacaca 120
 ttgcagtgtc tcagaaaata ctgaaatatc gtatagatgt acagacacac tgagacactt 180
 atcactcaaa agcttttaca tcatacgttt gcggactgtg ctatacttga catgatcatc 240
 tgtgtgatcg ttccatctag cggaaaccac tcacatttgc tggtatgact agcaggaaac 300
 aatgtacttg agcgacgaaa ctccatcaat tgacatctgg tcgaacatga gataccagcg 360
 tcacactgtg acagtgagaa aacat 385

<210> 25553
 <211> 340
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25553

agttttgctg tagctcaatc tcagaacgcg gactagaang aagaagcagc cgagtctttt 60
 ttaaaaaaaa cagggggggg agaatcgacc cccccagag acaaggctaa atgaacttga 120
 cattactaca cagacggctc atgaacgggc agcctagcgg gccttaacat ggtaacgcaa 180
 agcaactgca catcgtggaa ctcgtggaca cactacagtt ccgcaccgaa gccacccac 240
 accagactcc taggcctcca ccaaccacag acctgggtag ccacgccgga caaacgagcc 300
 ccgctcgaag aggactccca caccgccata aatgccggcc 340

<210> 25554
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25554

agcttgcatt atttatatct ccctctntct caagcaaatt cttcttgata tcatcaaaat 60
 cttcatgatt tacattctcc ccttttttga tgatgacaac cacctgtagg ttaggagcaa 120
 caacaaagaa aatatctatt tgcatatagt ttactcccc ttggtntac aatgattgct 180
 tatatgagac aattgaagat ttcataatct tcatatataa aaagttgtct cataaaacaa 240
 tagataatct ttcttactat tttatctttt atctttctct tccccttgt caacatcaaa 300

aacaaatcat gaatagagag gagaaagatg ttaccacttg ttgcaatgta tgagaatcaa 360
 gtgataccaa aaggcattaa aacaatcatt caatattaat caagcanaaa caagtacaat 420
 aacacatc 428

<210> 25555
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25555

agcttccttg ttattattcc tatataagct agagcttagc tacacacacg cctctaatag 60
 ctaagctcac ctccctgaga tgagaagcta gaacttaact acacacacnc cctataatag 120
 ctaaactcac ccccatgcn caaaaatacc atgaaagata acaaaaagaa gtcctacta 180
 caaaagacta ctcaaaatgg ccttgaaata catggctaen accctatact actagaatgg 240
 cctttatata aggcccaaaa gaaggaaaaa cctattctaa tatttataaa gatgagtgga 300
 ctcaaccttg acccatgggc tcagaaatct accttgaggt ttatgagaac cctatggcct 360
 tgtttggtag ctctagccca atcctcttgg agtcttct 398

<210> 25556
 <211> 476
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25556

nngagttact gagcctagta gtacngncaa ttaatctagc acccnncntc cctccagtcn 60
 accgcacagg ctggcatcct agcgattggt tttctttatt atgtacaccc cancaggagg 120
 ggtagggta cgcattcaac tacagtgaac catattcctt ctggcaaata acagatctat 180
 caatgaatac caattggatt cattgatacc gatactgtac atcagctgac catatcagta 240
 cacaaacact accacactca tctatagagg tctgatcata ccatggaatt tgtatcttaa 300
 aacgaatatg actgtcactt tatgccttag atacaatgaa caaaaccatc ttgtcgtgat 360
 cctgctacct agacgactca tatatccagg cggatgtctt gccaaagcta atgagcactt 420
 gtgccaaatc tacacgggca aaacgaaaaa agcgctcatc accatgcata aattat 476

<210> 25557
 <211> 350
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25557

agcttggtgct tatttctctg actgtcatcc tggaactctg caattcgaag cccttgctca 60
 tccaatatag atttctcctt ctccaactca aaatctgaag agacgaatga acacagagtc 120
 acgaaatcat cgcaattgca gcaattgaaa caatgcggca acacatcaca gattagagat 180
 cgtcaagtgc attcacacac gcggaaacac ganatcagat gaaagctatg aaaatcgacg 240
 gatatttgga atgagcgaaa cgtggaagtg aagtttctgt gtgaccttcc cagatggcgg 300
 agacgacgga gatcggagaa taggatggag cgggtggatat atctcgctcg 350

<210> 25558
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 25558

agcttggtatt atgcttcaat ggaggaaaag aaagagggag agaaagagag agggggggagc 60
 acgatattga aggaataaaa gaggtaaaga agtggaactt tgaagtgtat ctcataagac 120
 tttctttcat caaagttaca acaagtgtta cacatgtttc tatttataga ctaggtagct 180
 tccttgagaa gctatcttga gaaaacttcc ttgagaagct tctttgagaa aacttccttg 240
 agaagctaga gcttagctac acacacccct ctcataacta agctcacctc cttgagaagc 300
 ttccttaaga agattgctaa agaagctaga gcttagctac acatacctct ctaatagcta 360
 agctcacctc cttgagatga gaagctagaa cttagctaca caccacctat aatagctaag 420
 ctcac 425

<210> 25559
 <211> 340
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25559

agcttcttct ctantttcta taaatagggg gagaagtgaa gtgaacaagg gttcatcccc 60
 ttacgcactt ctctctcttt cgaatgagca cggaaaaatt gtttgctga agaacatcta 120
 aaccgaggcg cttccgaaac gtttccgcta cgaatttcgc gaacggtgca agcgtacttc 180
 aacgatcttc atacgttcct catcgtactt cagtcttcaa cgggtaaata cctcaaagca 240
 agcttttcga ctcatcttat gtacccgtgg cgggccacat tgngcatcgt gtattactat 300
 tctcgaataa tatacggaat ataccccctt ctgatgtgct 340

<210> 25560
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 25560
 agctttatct ttgtcctcag gtttcatgta gacttgtcca aaatcgogaa gtgaacctcg 60
 gatccctgtc agatacaata ctagaaggaa ttccatgcaa ccttactact ttcttgatgt 120
 acaactccac tagctttctcc attctatact tcatattcac cggaataaaa tgagcagatt 180
 tggtgagtcg atctactatg acccacacag catcatgtcc acgactagtc ttaggtaaac 240
 tagatacaaa atccatagat atgctctccc atttccattc cgggatttcc aatggcttca 300
 attctcccgga tggtcgctgg tgcctaacct tagccttttg acatgtcaaa catcttgcta 360
 catattcagc tacatctttc ttcattgccat gccacaaaaa acttctcttc aaatcttggt 420
 acatctta 428

<210> 25561
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25561

agctttatat tctaatatat nnctttactt gagattcaca gtgcagatca attaacatta 60
 taccaattat aattatttag ttataagctt ttatgtaaca tttcacaatt tgttctttat 120
 aaaggattgt gatttttaat acaagttact ttaattattc aacgttctac gtaaattata 180
 tatagcctct ccaagcctaa cacaacaata tttgagctca ttttgaattt gaaataataa 240
 cttaagactt attaattgaa tgaaattgga attatatttt caattataca atgatttgat 300

tttactat ttt tctggctatg actattagta aaaataaaact tgatattctg atctcttaac 360
 tggacctaac gttttaagac ttctaatact agtaaagctt ttcttaaaca a 411

<210> 25562
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 25562

tagcttggaa ttgcatttgg gcacctagtt tgaatctcct atgctgtacc tatatataag 60
 aaacagtacc actctcccaa ttttacaaaa tcatattcat acatcattgg ggcatttcac 120
 cgagcacttg gtgagcacat gtttggacat aaattgcaag aggatgggga caatgtggca 180
 tgccccattg cttcagaata aagcataggg ctaaggcctt ctcatcaca tctcaactc 240
 aagaaaaaca gaataaaaac aaacaaaaac tgccccgcaa atataagcac attctcaca 300
 tttggagctc caaaagatga agaaaatata ccaatgggaa gctaaaaaca tcaaggattg 360
 aatacttact tgttggagtg aataatgaca ccaaaaatga aagca 405

<210> 25563
 <211> 264
 <212> DNA
 <213> Glycine max

<400> 25563

ggaggattgt gcgtaacgtg ggaaggggaag ccaagattag atacttggaa atttagaaca 60
 aaactttggt ttaatcagcc gcagatttctg atggtttatg gttaatgcct gtcatatgta 120
 tcaagcgtat ttcaccatgt gttaatggaa tggcttctac aagacagcca attgctagaa 180
 gatctgcttc agatcgaagc ataccatgag tctctctttt atgagagatc cacgttaata 240
 ttatctcttt gcattattga gaca 264

<210> 25564
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 25564

tgcttaagtt atctttgagt catgccattc agacgcctga gcagcaccat tttctcgtga 60

ccaatcatca t

431

<210> 25567
<211> 334
<212> DNA
<213> Glycine max

<400> 25567

gatttgtctt tatgcattcg aagtttcaca caatgcactc ataagacgat ctgatatagc 60
atttttagtag tacatttaag acattcattt aataactatg tctaaaatta ttttatgcag 120
aaaacattct cctaggatct atcaaaatcc tatgaagaat aaacgaagcc catagtctag 180
aagacattga ttctcattaa aaggcatgct ttattatcgc agaccaacta ttatgaaaga 240
agtggcttct ctattgaagt ataaagcaca ctaacctatc tacatggact ttgcatgaag 300
aaaagatgtg catttaatgc aattattaata tacc 334

<210> 25568
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25568

agcttatcat tatgaagnta tctattatcc tcttcgggtg tgcaccaat ctatacacia 60
aaagcatcaa attgaaaaat cactcattat aataatatca caacaattaa taacatagtt 120
gggtgcatact ccttatcaat aacatcttag aaaaagagag gctgttaaac ccaaagaaag 180
acttggttaat tcaacgatta cttaactcac atgaatagac aggtttcttg ggtttatgag 240
caacaacact tgaagactga gcattatatg acccttaact cttcttgctc tttggtgtca 300
ttgcatcacc accttgata ttgattctca tatcgatca ttgtgtgcca tattttcaag 360
atgaaaatat gttaccttg tttgcattcc tatgaaatgg ttagtatac 409

<210> 25569
<211> 625
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25569

tctaattggat gcgatgaatg tacgaacaat tagttgctcg ttttcttcaa ccattgcaag 180
 gatatttttt cctatgagtg tggaatctat cttattatga tcttgtgaaa tggtaggcat 240
 gacgcatgtg ccaagactgt caatcattct aatttcccaa acttttaaact cctttcgttc 300
 aaacgttcta agtttccatt ggcaccctc aactcggcaa cataagaccc atgtatcctt 360
 cgtacacctc ttgtatttga agtgac 386

<210> 25572
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25572

agctttttat ataatgttcg cataataaca taatgatccc aggaggaaaa ttgaaaagac 60
 taaaaaagtt ctagatatca acaatcaact aaaatacaga tagttgcatt tctgcgtcgt 120
 ctttcaagag attgggcaac ctcaatttca ccaagagcct tcacctttga gtatcaggaa 180
 taaactaatg tcaatggcta aacaagcaaa tctaattata agtttatttc tagaataatt 240
 acaaagaca gtatataggt tatgtatatt gtttaactca tcaacaaaaa agagcatttt 300
 gtgtaaatta aaaagggtcat gaagggtgaa aagacaacat gtgttctgtg catttataga 360
 cactacta gaanataagt ctttaatatc gattanttag gacttttaac atcggttatt 420
 aaccgat 427

<210> 25573
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 25573

taatcttaac attataacat atgaagaaga gaggtacagg ccatcaaagt gtgtcattgg 60
 agaataagac aggagattca actgtgctga agataggaga ttcggctaaa gttgtgataa 120
 aacaagacat gaagggaaga aggcataat atgggtttta caacaataaa cgtgagaaac 180
 cacagaaggt aagggtggtg gatgatgaaa ctggcgacaa acatcagctg gatgaagtcc 240
 taaggatgcc atctacatgt gtattttctca agatatagta tttatattcc attatgcac 300

tattgactgc tgcatacatg taatagactt tttttaacat gtttgcccca catcaaatca 360
 taattcaatg ttggctacac aacacgtcac tataatttgc tatgta 406

<210> 25574
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 25574
 tatcttgagt tatatgaaga agacaaccat tgagagccca tgctcttcca tggattcatc 60
 ttcattcctt accccttcat cttttacacc cttttgtaca attgagatct tcatgatcat 120
 gaatggctaa acaactcatt gtatatggag ttttcaacca atctctcttg atgcaatgac 180
 tctcactatc tatttaatat tattactagt ttcattgttc ctttgtgtgt atatccatgt 240
 gtttggactg atcatgcatt tatatgctga taggggttaa gcattggaaa atgtggataa 300
 tccttaaaac ttggaagagc atctaaaatg cttccttgct agggatagtg tgagacagtt 360
 taattgaatt gacatctata ttaatcatgc agttcaacta attgagttct cgagggat 418

<210> 25575
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25575

agctttgagt ttattaaacg tcaactaactn tntactcgga tgtcgaattg agtcacgtaa 60
 tatgtccaga cgctcgcaat agaataccga agctctgagc aaattcaatc gacaataaat 120
 ttttactcgg atgtcggatt gagtcacgta atatatcgag aagctcgaaa ttgaataaccg 180
 aagctctgag caaattcaaa cgacaataac tttttactcg gatgtgcgat tgagtcctgt 240
 aatatgtaga gacactcgga attgaatacc gaagctatga gcaaattcaa tcgacaataa 300
 ctttctactc ggatgtcgga ttgagtcacg taatatgtcg agacgctcta tatagaatac 360
 cgaagctctg agcacattca aacgac 386

<210> 25576
 <211> 348
 <212> DNA
 <213> Glycine max

<400> 25576

tatggagaag cacgaagcaa ttgtctctaa ataagggtga aatccaaata caccttaaaa 60
attcaagggtg gattgacatg cctctttttt gccccagttg cacgtcaaaa acaaaaggca 120
agttcaatga ggggtgttact atgtgcaccc aacaccattg cttgtacatc caacaattca 180
agtgaagtgg caaaaatatc cttcacttaa atcttaaaac ccctccctcc taccttgcat 240
ttgtatgccg caccagctcc gttcttgccc ttcttactta cgtttgcggt atgagccatg 300
ctgccacaga taaggccaac tccaccactg ttatgtcatt attgacgt 348

<210> 25577

<211> 372

<212> DNA

<213> Glycine max

<400> 25577

aatcataata aagtttcaga gatgactaaa tgcacataca aagctccttc tctattgaat 60
cagatgacaa gatttagttt agtgcattggc atgaactaag gttgggattt ttaccagtag 120
ttaagaccta tgttgatatg gaagttgtta attttctgaa taacattaaa caagagaaaa 180
ttaaacaaaa ttcatggaa gtgcaaataa cgaatgatga tatggagggt gagatagggg 240
agggatataa gatgggagag aatgtgaatg aagcagaata gggaagttgt cttattatgg 300
tgcactagac gagatagaga gactcatgat aaagggttct cctaacttat taataatctt 360
atgcaagagt at 372

<210> 25578

<211> 339

<212> DNA

<213> Glycine max

<400> 25578

ttaagctagt ctatcctcaa gaggatttac gatgaactta tttaagtagt ctaacctaga 60
ggggctgcta aattgacctg tccacaagag ggatttagga ccaagcttg aagattcagt 120
caactatgga tcgagggttag taatttggt acaatataga acccaaagca tgataattag 180
agaaacattt tattacatca gctgggtccg tagaaagacc cactctttac ctactgctgt 240
aatctactta cttgctttta ctgttttagc ctacacttat taattttgtc taaatcatca 300

ttataatggt ttttcacaat gcttattctg aattaccct

339

<210> 25579
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25579

tttaattaga tggggtttgt taatgtttat cttaacacta tggtgtctaa gcttacataa 60
tatgtctgaa gtttagtaca tatgcttgta ctacaatttc aagatcctaa gatgttgagn 120
ttttaattaa accatgtgtg gcaggaaatg aatgttctga gagattggca tactatggta 180
tgagtacaaa cctggtgaac tatcttctgg agcgtttcaa ccagggaat gcaaccgctg 240
caaataatgt cacaacctgg tcaggcacat gctacatcac accattgatn ggagcctttc 300
tagctgattc atacttgtga agatactgga caatctccag tttctcaatt gtctattagt 360
attgtagttt agagatnntt ttttcttgt ttgttgagtc cccatg 406

<210> 25580
<211> 395
<212> DNA
<213> Glycine max

<400> 25580

atcttgagaa gacaacgggg gaggtgctct taagagggtg tgcttccgaa gctatgagat 60
taaccttaag cttgcaggac caagcttctt atgccatacc cagtgatgct ctttgatcga 120
gagtaggcac aacacttttt tatcttgaca aatcaccaag tgtaatgtca tacagatttc 180
cttgtctctt agttgaaaaa agtgaagagt tatecttggt atggatgata cacatctct 240
tgttaaagge gacattgtat ccacaatcac ataattgact tatgcttagc atattatgct 300
tcaacccttt aagaagcaaa acattatcta taggaggata ggaaggaata catactttac 360
ctacgccagt tatcatacct ttctgatcca tctga 395

<210> 25581
<211> 332
<212> DNA
<213> Glycine max

tgcactttat tttttttaat gcatttcatt ttgggttttt aaaaatataa cattttttct 300
 tattttcttct ctcaactccta tnttaactaa aaaccgtgca ttgggtcgagt tgtaacgcta 360
 gtttggttatt atataagtga aaggaagcat aatataaa 398

<210> 25584
 <211> 310
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25584

gctttctttt anattcttag ccaangaaaa gcgaccttgc gtttgcaaaa actttcgagt 60
 tggctatccg tgtcaactcta ttangatgtt ccaccatggg tgagtgattt tcttgagcga 120
 tatataatgc gtagttctct ttttaaggatg gagctgggta tagttgtttg aactagtaga 180
 ttgtacaaga atcgagattt tatggatatt atttgcaaat tagatataat tataatgccca 240
 gcttaaactg gttgccttct ggactgatat gatacagtca cactgtactg gttacgaaat 300
 tagaaatgat 310

<210> 25585
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25585

taagtttgca ttacccgacn cnnnggtgca aaattgatct gtgcaaactt aacagctcat 60
 tctttttgaa cataactgaat aatcagccag gagcttacia gcgtacaagt ggaaaaatta 120
 ctcaactctt aaagtatgtt ctaagtctga gtaatggaaa tacatattgc ttagtattta 180
 actacaatgt ttacttgacg gatgagcagt tcatcatagc tattgaaagg taacattttc 240
 tcttattctt aattaccctt taatttgtac atgcattatt aaacaacctt ttaaaacata 300
 aatacttcat caatattagt tctcaagtct aaattaaatg ccatgtataa tatttatata 360
 aaagttgggt ccatatggga ttgataagcg tgtgtgtgtc ttggtttg 408

<210> 25586
 <211> 375

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25586

ttagcttgcg ngtttcgtga aattccataa tggggcgga atcgaaaaga gatgtttttg 60
cgcaatccat gagtttccgt aacttcttcg aaagctaaaa aagagtaa atcataatccg 120
taaggattcg taaccttgcg gaaggaaaat aggtatcggt acgaaattca taaagtttcg 180
taacgttacg gaaaaagaat tacaaaaaaa aaataggaag ggggtgcatt tagtaaacag 240
gggggtgtaa atagcaatct ggcccacttg ggccctccag aaggctgttg cttctggagg 300
aagcaaccct gctcgctgt gcgagctggg cggcaagctt ctcccctatt ntgctataaa 360
tagggggaga agtga 375

<210> 25587
<211> 421
<212> DNA
<213> Glycine max

<400> 25587

agcttggaact tttttataa tttgaggtaa acttctgatg acagctagat gctggtaa ac 60
acacaggaaa gcatattcat aactgcctaa acacaggaaa acatattcat aactgcctaa 120
acacacaggc ccgatgctgg taaagaagca taaaaaactt gtggaaactt atggtactca 180
tgcacaaagg acaatacact aagtcactaa caaataactg ccttaatctt aagtgggtg 240
tttcaaagtt taacatcaca agattggaaa gttacaaaca atactctttt tgttaaactt 300
gttttttagtt ccctaattat aaaacattac aatttgatc cagcattcaa aatcaatgtg 360
tacttaccag ctccccaacc agttcttgca ccaattgttt cctgaaaatt tccaatgaac 420
t 421

<210> 25588
<211> 346
<212> DNA
<213> Glycine max

<400> 25588

attgtgtacc gtagtatatc gagatgctcg taattgaaaa cagaagctct aagcagattc 60

aaacgacaat aactattgac tcggatgtcc gaatgtgtcc tgtattatat cgagatgctc 120
gaaattgaaa actgaagctc tgagagaaat catatgacga taacttttta ctcgatgtc 180
cgattgaatc ccgtaatata tcgagacact cgtaattgaa aatggaagct ctgagcaaat 240
tcaaacgaca atagcttttg actcgatgt ccgattgagt cccgttatat atcgagacgc 300
tcgtaattga aaacagaagc tctgagcaat atcaaacgac aataac 346

<210> 25589
<211> 311
<212> DNA
<213> Glycine max

<400> 25589

ccttgaccca ggtgagaatg taatcctacc ctcggaagcg aaagaataga aggagaattt 60
caataaagaa aagaaagatg gaagatttca atcaaaaaga tgcaaaaaag acaagaagga 120
acattcccaa tcaaagagtg ggagaaagca aaaagaatag aaagaaaatt cccaatcaaa 180
gaatgggaga tagtaaaaaa tgaagaagaa gaaggaaaga aagctcctga tcaatgatcg 240
aatgaaaaca gaagaaatgt gcaaaaaggt ctttggaccg gacaatatct taacaatata 300
gaattgtcac c 311

<210> 25590
<211> 296
<212> DNA
<213> Glycine max

<400> 25590

gtgtggcctg taaattatcg aagcaatctg gttgcaattc ggatttgtga aatatgaaac 60
atttgagtcc ccatattttg tcacgctgaa gagcctgttg ggccgggata agatatctga 120
atcagacatg gccctcttgc aagaagactt ttcgcattgt catcgacacc tgacattctc 180
actttggtgt cttgcgcaa gacgaactcc gtcctagaca attcttcaac agttcgaaat 240
tttagctcta tatgaacctc ttctcggact gaccagatca caacacttgt ttctta 296

<210> 25591
<211> 514
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25591

gtgaattgag ccnctgatga ctttcnannn cgctcagccc gcgcgcggga tcctgtgagc 60
cgcnctgcgg catgctagcn tgtancttat atccatcang cacaacgaga aagagacgat 120
gaggatctca cgaaaactca caagttcagt tagatgactt tgtcctacca aacacttaac 180
tcgggtgatgt gcaagacaca tatgtttgcg atggaatcaa tgcattactt cgactataag 240
gtatctagtg gacccatgac tcttcttaac gatgttcaag acttggaga aaggatgata 300
tccttagctg aagctcttga agatttagaa gatgaacgca aggaaatcct tacacagaaa 360
atcttacttc aaaaagaatg cgccctctgc tatagtgagc ttgatgagta gaaaaagaag 420
aactcatatc tctggatgga atgtcaactt tacaataaga cttcttctaa tctaacatat 480
atgcttatgg gacgtgatgt cttataggaa ctan 514

<210> 25592
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25592

agctctanat ggatcttatt tgnnatncaa atgggggggtt ggcttttaac aaaattctta 60
ttgcatatct ctaagtttat tttatttagt aaatatgtgt ttattctaaa aataaagatg 120
aattgagagt aaaagataga attttgatga atgaaatgat taaaaaattg agacagtgat 180
cacttattga aaatataatt attaaagatt tgaattgatt aagtgctaga tataaactag 240
tcttaaataa aattataatt ctccatgtaa atgagttgaa caaaattata atctctgtaa 300
atatatttta atgtcaaacc taccaaaatt taaactaacc gctcaataaa tgtaaatttt 360
aaacttaa attaattttt aattaaaaaa taagtttaac tacatattta ataaattaaa 420
tt 422

<210> 25593
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25593

agcatttacc tttantttat atcaancgcg gngnnngggc cgggagaaga aaannnggcg 60
 gnnaaacaaa ccaaccaaga annngcagng nnaacngncg caaaaacnna acatgcgcac 120
 ngacagcaac cancatgggg ncancaanna agggcgacac ttaacgaatg actaaaaata 180
 ttaatagtaa aagaaaatag ttcctagtca attaattttc tcattagaaa ctaaaagtaa 240
 aaacgtggtc ctgttttggg atgatttttg tttctgagtt atgaaatfff taaaaataac 300
 aattaatctt tagtcttagt gtcaaaaaca ttttatatca gctctaaaat ataattaatt 360
 tcacataaac ttaatttaaa agtcttatat cgtattaaaa ttaatctaag agta 414

<210> 25594
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 25594

agctttatat atctatcatc acatgacgca ttattggcac agaacaagtt gctttctaag 60
 caactggaga ttttaataga aacacttggg aagctgcaa ctaagttgtc tatgggtcaa 120
 cctacacact cttctgtttt gcaagttaca ggttgtagc tctgtgtag ggctcatgaa 180
 acaggccaat gtactccac tgaagaaaac actcaagaaa ttcattatat gggaaatcaa 240
 cagcgacaag ggtatactca aggaggactt tcaggcttct agcaggggcc atataatcaa 300
 caaggacagt ggaggacaca ccttggaat cagttcaaca aagaccagag tgggccttca 360
 tataggcaa ttcaacaagg acctaacata ttccagagaa ctactaagtt ggaggagacc 420
 ttgactc 427

<210> 25595
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25595

agcttgtna ttctcttct tcactacatg aagaatcacc gggttgagtc ttctatgtgg 60
 gtgtcttact agcttagccc catcttctaa atttattcga tgcatacata tggatgggct 120
 aataccagga atgtccgcca gggccaacc tatatccttc ttatgcttct tgagaataga 180

taatagcttc tcttcttgct catcagcaat ggaggcagat ataattactg gaaaactttt 240
gctatcatcc aagtaagcat attttaaatt tgatgacaga ggcttcaatt ctgggtgtggg 300
cggctggata gtggtagaaa gggatggttt ctcagcctgt acctcataaa gaaagtcaga 360
ggatatgtga cttcctgaaa catgggttagt tctatctgac tctataaaat caatctcaag 420
aggtaaaaca t 431

<210> 25596
<211> 501
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25596

agagaactan acttttggt ctttgcanna cnccagantc agcaagaccc gggagactna 60
gagacgacca gcagcacgtt acttctcgct cgtgaacaaa cnacacgggc ggagatggag 120
agatgtaaaa ggacgcagac ctgtcacgga ggcaccaga tgcaagcaag ctatgccatg 180
catgtgatca ggtgtactct catcgacaga acctacaaaa catacacgta cagactcata 240
ctacttgact gtgagagagt gacaccatcg gcgacgacat tctctgctga gttgcatatc 300
tagaaagctg agcatgcaa taatatagaa tgggctctgg aacgaatacc acgactatgc 360
ataagacaca atcgctgac tgttgctgga ccacagacag agacctagca ctgaggaatg 420
cagtgagaac tgtgtacacc attctactac ttcggttgca gattgatatc gatacaaatg 480
tgaagctaac agcaatcttc n 501

<210> 25597
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25597

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ctaatectea tcttgcatg cctcgtctat gtgtctgggc tcaaattcta agatcaatgc 120
agtattacca ctatgatgag tccatatctt tttccactta ctgaggttga accaatggga 180
ctatgttaaa agacactcat ttcattgcaa tgatctttta attaacatgg gcctttggaa 240

gcatagaaat gcatgtgttt tatctggaaa ataaacaacg ttgactcaca tgttggtcat 300
 tgatagatgg ttgcgaaact atacgaatga tgtccgtccc aattctgaac cacaacgagt 360
 aatatacaaa tatgtcag 378

<210> 25598
 <211> 487
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25598

agcgggtgat gactgatngt catagcanna cacgcgaatt cagcatggac ccgggatcct 60
 gagaggcgac cgcagcatgt tagtttaggt catanngana cnancaggaa gtgaaggaga 120
 atggaccata atctttgtct cataccatgt gctggacctg tgactgagcc ccagctgaac 180
 cgagactgag atgcccattgc ccgatggccg caccgatccg catgatctgt accttaagac 240
 cacctgtgct aactggcgga tctttattga ccagtcata tatagccttg attattgaga 300
 cgtctacaat gacgtttagt tatctgacct gacgcggtca cacacatcag aactcacaac 360
 gctgatggat ggggaaaact atagccttgc ctggaaggat gggatggtcg agaagagatt 420
 ctttgatggc ggcgcacgcc aggcggcttc gtgacctctc gccacatgtg cctcagggcg 480
 atgtggn 487

<210> 25599
 <211> 115
 <212> DNA
 <213> Glycine max
 <400> 25599

agcttcaaat tgactctact tatactggct tggtagttat ggggtgaagt aaactcaatc 60
 aatggaaaac aatccatcca gctaccttgt tgctctataa tacacgcccg aagta 115

<210> 25600
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25600

ccattccgcg cgtgtattcg ccccataaca taacccgagc caccatcgaa gcggcaccag 60
 ataagcgtgg ctgcctcaga ggagattaaa caacacatgc ataaagttgg gcaacaagga 120
 aaagaaaaca caatccgcca aaggcgagtg aagaaaagaa agagacaaag atctccagat 180
 tttacaagag acgcacataa gtgcaacgaa cgattaatgt ataagacaga aggagtagag 240
 cccaacccat gagttgagag gaacaaaagt actagcaagc ctctgaaggt tcttactcaa 300
 tataaccctc aaacactctt tgagcctctc taatcctttc tttcatagcc cttttacccc 360
 tgaccacatt acanacccaa taaagcccat gtggatcaag 400

<210> 25601
 <211> 505
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25601

agagaactag acttcgtaga catgcaanta cgcnagnncc cgggaggctt anagcgagcc 60
 gccgcatgca agcaagcngt ttgttatanc tcatcanngc aagcangcga gagcgagcga 120
 gggangagcc aacaaccacc gcccgagcacc accacacgaa ggaggcccag ccngaagccc 180
 caccgtcacc acggggggat aaagaaagnc nnacagccca cgcaccgcag caacaagagc 240
 cacaaccaga gaacgaccac tcaactcgaag ccatcatccc ctgagctgct gattcttcca 300
 acagataatt ctagacgaga tccagtgagg ctgctcatcc tgcaccagtg ctagtaccaa 360
 ctgatgtacc atcttcagtg atggatgcat cttcacctca gcatgcatta gactctgacc 420
 ctctatcat agagatacct gacggacatc cacaccagtg ctggctctgg acattcttcc 480
 tcagctactt caggtatgca tctcg 505

<210> 25602
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 25602

ctaaccaata tcactaggcg tggctggatc ttagagtgat attcattaga cttcgcgac 60
 tcttgataga cactactctt acacatcatt ttagtgctat aacaaagaga ctcaagcttg 120
 ataaatttaa aattgagaaa caaataaaat acatgtatag taaatgttga aatatcatgc 180

agacgtacaa taatgatagg aagattcaca aataagacac atagtagatc aagatcagac 240
 ctcttggact tcaacaacac taacaattgt attaacttcc ttgtgttctt cttgcttacc 300
 attaactttc ttaattggat attcaatctc acatgtgaag aatgagaatg tcat 354

<210> 25603
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25603

aagattgaac ttgaccatcg anaccgagan cagaagggcc ggaacaaaaa aagagaagaa 60
 gtcctttata tgtaggcccc ggcaagggga gggggggagg ggacaagccc accaccccg 120
 nacagcgcg gcaaacnaaa caagcaacgg nacgcanaag agaaaagaca gcccacgcca 180
 cgaacgacaa aaaaaggcag cacacagaca acggacagga acccaggaac agagacccca 240
 agccaaaaca acggacaaaag aacccaaaga aagggcagaa aggacgggca aaagccaaaa 300
 caagaggaga caacacaaaa cggaggggcca ccggggagcc ggaggcaaac aacacacaac 360
 acggcacggg aacccaacaa agacagagac gggagaccga acaaaagaac cccccccgg 420
 gaacaggcg cgaccggcaa gnacggcagg cggcacaccg ccc 463

<210> 25604
 <211> 359
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25604

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 ttagcggaat ggagaaggaa gaaacgtgat tggagacacc actccaagga caagatgagt 120
 caagaacaaa ctcaccacca taggaagcca tggataagag cttacagtta ggagaagatg 180
 agtgaaggga gaaagagaga acgagcacga aattttatgc ctcatatgag gtctgaactt 240
 tgaagtctaa tttcaaatga tcagagttga ataatttcac acacaaggcc tctatttata 300
 gcttcaatgt cacacaagat tggagagaaa tatgaatctc tattcaaatt tcaactcgaa 359

<210> 25605
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25605

agctttaaca ttcaacttct agcgnctcgn tatattatac gactcagtta gacatccgag 60
 taaaaagtta ttgtcgtttg aatttgctca gagcatcaac cttcaatttc gagcgtctcg 120
 atatatgacg ggactcaatc agacatgcga gtaaaaagat attgtcgtct taattggctc 180
 agagcttcta cattatatatt cgagcgtctc gatatatgac gggactcaat caggcatccg 240
 tgttaaaagt tattgtcgtt tgaattggct gagagcttca acattcaatt tcgagcgtct 300
 cgatatgtta cgggactcaa tcagacatac gagtaaaaag ttattgtcgt ctgaattggc 360
 tcagagcttc atcattcaat ctcgagcgtc tcgatatatg acgggactca atcagacatc 420
 cgag 424

<210> 25606
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 25606

agcttataga tgctttccaa cacctttccc agagccaagc gtccttgacc gaaggccaag 60
 ctaccctctc ccagggccat cactccctca acgccaaaat tgactctatc catgtaaccc 120
 tttcctctca gatcgagtct cttttcgatc gtcttgcggc aatcactgtc cctgtatctt 180
 cgccccctcc cctccccac cctactctc caccagtctc acgccaccac cacttgaagc 240
 tagatgtggc acggttcgac ggccatgac ccattgggtg gatattttaa atatcccagt 300
 tctttgatta ccaagggatc ccagagaacg agcgccttac cattgcatcc ttctatatgg 360
 atggtccgac cctctcatgg taccagtgga tgcaccgcaa tgattacttt ccttct 416

<210> 25607
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25607

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 tcgatctagc acgaggagaa ctcatcttgc gcatacacia tcaacttagta ttatggtagt 120
 tntagaaagg agtggccgcc actgtggttg cggttgcgca ctaattcgaa tatgttttagc 180
 ggaagttaac ggtggtggaa taagttagtc gaacgttcca attggaagga gcaacattcc 240
 atgcaataat agtctccctg gtggtgtatg aagtgattct gacagaaaga gcttggccac 300
 ccagagttgc aaatgcttga taagaagccc ccagttgtg gctcatgcta atccatccac 360
 ttctgcttnc ttccacagac atgcttgata tgtctcctcc accttccacg ttcttcacgt 420
 ata 423

<210> 25608
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25608

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 gactgggtccc tttcttccct tcgcaacttg agttcactat tgctaccca tagagctctg 120
 tgaaatttgt tccggccata ctcttccctg cgagccctct tggctctctg ttcaagggct 180
 cttgcggtaa ttgcattctc ttcccgtaac ccggcacact ccttccgaac gtgtgtagcg 240
 gccaaacttga acttctcctt ggcaagttat gcctttccta actcgctttt gagagcttgg 300
 acttctttgt cttcttccgg tgcttcaaaa ttctcttcgc tgacgacttt taacttggcg 360
 agccaatcta nacctcgat atgaactttc agccattcgt ggtaccacc aatgatgcca 420
 tta 423

<210> 25609
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25609

agtttctcct tcaatnncna taaatagggg gagaagtga gtgaaaaaag gttcancccc 60
 ttatgcactt ctctctcttt cgaatttgtt tggaaaaatt gtttccgtga agaaaatcca 120

agccgaggcg cttccgaaac gtttccgtaa cgtttccgtg aggaatttcg cgaagggttc 180
gaccgttctt cgacgttctt catcgttctt cgatcttcaa cgggtaagta cctcgaacca 240
agcctttttg attcattcta tgtaccctgt gtgatccaca ttgtgtttcg tgtattnta 300
ttctcgtttc gtttacattn tataccccct ttgacgtgc ttaagccatt gtatttaagt 360
catttctcgc ttaacctaca aataaaacan atttccaccg atcgtttgaa tcgt 414

<210> 25610
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25610

agcttctcat tgaagtnenc ttaagaaagc ttctcaagga agctacctag tctataaata 60
gaagcatgtg taacacttgt tgtaactttg atgaatgana gtcttatgag atacacttca 120
aagttccact tctttccttc ttttattcct tcaatttcgt gctccccct tctctcttc 180
ttttcctcca ttaaagcatc ctcttcaagc ttcttatcca aggcaattct tgggtggtgaa 240
gtctcttctt ccttggtta ttccctagtgt gatgggtgct cccctatcct cttctccttt 300
gccttccgct gcatctccat ggtgaaaaat caccattgaa ggacctcatt gaagctcana 360
gatccagcct ccatagaagc tccacaagca agctttcatc aagtggtaat cagagcaca 419

<210> 25611
<211> 91
<212> DNA
<213> Glycine max

<400> 25611

tggcaccata actgcctaaa aaaattacgc ccccccttca ctcttccaat actgttgtat 60
tcatatagca tctcacgaat tggagcctcc t 91

<210> 25612
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25612

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cttttcactt ctactatctc tttccttgca caattttgtg gatcttccat tgatgatcat 120
ggaaggctaa acacttaatc aatccaagta tccactccaa gcaaggctaa anttgagttc 180
tggttttagta tttctaatat atgtgaatgt tcactttttt cttcaatcct atntttaaat 240
ttcatgatca tgaacatgct taggatntga aaaaattacg ttacggattc ctttctaat 300
tntgaaccta atcacaaact gtttgatga tattctaacc tattttgca tctcaatgaa 360
ttanggatta attcgattga actaactcta atggcattca ttgaacactc attaatcat 420
cttctctaca aact 434

<210> 25613
<211> 370
<212> DNA
<213> Glycine max

<400> 25613

tatacggcaa tcaaagcatt tattatgcta ttactgagcg atactgtttt tgagtcacg 60
gattgtgaaa taggtgagaa aatattaact ttttgtaaat aaatatctca tacttctaact 120
actgcggcac ttgattgagg actgcctact agagatgctg ctttcagcga ttactgaat 180
aagtcgtatt ttatagtctg cgacgccatg agtccatgac aaccactttg cttgtcttta 240
tacaatccaa gtgcttatct gatttgattc tattgattga atgatcacia ctttatcctg 300
ccttgaccgt aatgttaggt gagatgcct tgatatgata aaggatccct caaataatca 360
tacttttaaa 370

<210> 25614
<211> 482
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25614

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gatgtgtttg tgctcgtana cnacaannac aagaccggga ccnagaana ccgcagcagc 120
aaccagatt ttttcagcaa tncgagatgc cgaggccgag tgatagttca agattcaaat 180

caacattaga atccaatcga gaacaagatc caaagaaata tcagaataaa aaggaagact 240
 cataaggata agataaaaaat ttttcaaaac caatgctagt ttggtacaaa aaattctaaa 300
 tttctagtac cgaggatact cctgataatc ataccaatat catattgaac caagaccaat 360
 gggtttcaatg gttgcacatt caaatgattc aatgtgaatc atacctatat agaacgatac 420
 agtaaatac ttggattcaa ccaaaggaaa gtacaaattt ctaacacatg gtatcaaacc 480
 ct 482

<210> 25615
 <211> 472
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25615

agagcncccg ttgagttggt agncnatcga acncattaaa cncatcaaga accatgcaag 60
 actaacgtcg ccatgtagcc tcattgttat atcgtttgtt caacaagccc gttgtcatag 120
 cgggatgtat gtcatagtta ccgctcacta tacgcttcat actgacattt gaataacgca 180
 gacaggctga aatacctaca atgggtctac agatatacat tctatcgcta tctataagac 240
 aaagagccag atacgatgcc gagactaacg ttattttatg caccgtcgtg caatctcaac 300
 ccgacaagcc cgttgaccac tgagattacg taatatccgg gctccaaatc tttatacaga 360
 cgcttgatca cactgcgata aataacatac tgattcgctt aaatactttg cgttttcaaa 420
 tcaaccttgc ggtatgatag tgaattgaag acctatttac cttaaaatag ag 472

<210> 25616
 <211> 489
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25616

gccagttggt ngttttatta ctgctagacn acanncnann naganccggg agtctcagag 60
 cnaactgccg ctgcaagcac cacttttatg tttttataa gccccacacg ggtggtgggg 120
 aactataaaa gaagctttct caaaatctaa cgctttaact agtacaccct ttcaataaca 180
 atcctcactt ctttaaaata ttactgggta aaatctcaca cctactcttc tttaccgtca 240

aaactaatag ctcagaatat gtaaataatat atatctcggg gaacacgcct atgaagtgt 300
aagtaaggta atctgccgcg ttggcggtctt ctagtcatct acgtatatcc taatgatcct 360
gatggataat tctgggctgc acttacataa tggtagatgc aggatgcctg tagaccaacg 420
caccgtatat aatgactcta tactctggga tcacaaatgg tctggtaagc tttatactct 480
tatatttcg 489

<210> 25617
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25617

agagtgccta gaacctgcac gtcaacctac tancctagaa ntcccancac canaaaagcc 60
ttctagagca tttcactttt tcttgccat tttatatggc aggaatact ctcccgggg 120
cttttactgt cgttgcaact attgagatga aatcctctgt gaggacctca agatgcttca 180
catcttcgat cctaatactg ttgcgcaca tgcctaaaaa tctcaggtgt agcaggagac 240
acgactcgca taattgagga taacggcatg ctgtacctac ttttctttac agcgctacta 300
ttggggaacc tatatcattt ttgtccggta agaagaagcc accaataccg ccctattatt 360
tcggtgtacc gtacgagacc tctccattca atgcagaaaa ttgtcatctt aatgaaacac 420
att 423

<210> 25618
<211> 201
<212> DNA
<213> Glycine max

<400> 25618

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tattttgctt gttgtgtatt gtacattggt tgtttttttc tgtattttct ttattgtttg 120
tttggtgtac attgtttttt tgtattttct gtttgagttt gtttttgttt gttggttatt 180
attttctttt tcttatttgt t 201

<210> 25619
<211> 498

[illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible]

<400> 25621

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aggcgatgtc tgtgcctcgt agccnncaan naannanaaa anaagggaan naaaannaaa 120
gaagaagaaa nnattgttta ttaatttaaa gaaggagagg ggaggggaag aaaggaaata 180
aatatatata tgagagagat aaaaaagatg taataaagga gagatatgat atggaagaga 240
gaaagaaaac ataagaaagt gagtgattga taaagatgat gggaaaagaa gggaaaggag 300
tagataaaga aggtgaaata gaaaagaaga atgaaagtga agataggatg agaagataga 360
tagtagagag gaaggatgag ataatatgaa tgtaggggga aagaagaagn aatgaagggg 420
gaaataaaga gggaaaggaa tgagagaaaa aaaatgatga aagaaagaaa aggggaagaa 480
gggaagatta gaaagtaagg aagaaac 507

<210> 25622
<211> 385
<212> DNA
<213> Glycine max

<400> 25622

agcttttctt gaacccttcg aggtacttgg caccgatgg gggacaatac gtaaagtcc 60
ataatgtgcc acaagtcaat agagagcatc gttgcactat ccgtgaagtt ccgtaacatg 120
ccggatatca aaaggaagca ttgttatgca atccgtgagg ttccgtaacg tttcaaaagc 180
caaaaaaggg atgattacgt tatctgtaag gtcctgaac attacggaag gaaaacaagt 240
atcgttacgg aattcataaa ttgtcgtaac gttacggaaa aagaatcagc aaaaaaggca 300
tggggtgtgt tcagtaaaca gaggcgtgga aataaaacgt tcatccctct ggtatctgag 360
atcacttgaa tcaatgaaaa atcgt 385

<210> 25623
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25623

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attatatcaa cggaataaca ctcgacagaa tctattagaa ggtaaaccta tattattatg 120

aagaaaatcc tctgtcatga aattaggtaa actatgccag catctgaatc caacatttgt 180
aactccaaaa gatgccaaaa aacgcatacg gctgataaca tgaaaacaac tatatcaaca 240
ttaattttta gataaatggg tatttgtgtc cctaaatatg tacatagaga gtgctcacia 300
attagtcttc ctaacattaa attttagttc ctggaagaaa aaaatacaac aaattatccc 360
ttggaattt tcgttgtaac at 382

<210> 25624
<211> 336
<212> DNA
<213> Glycine max

<400> 25624

gcaatcatct ctgatccctc ctctgagctt agagattcag acatcttttc ttctccttta 60
agagcttctg cacagccatg ttgaatcaag atttcttcca tcttgattct ccataacccg 120
aagtcatttt cccctgaga acttctctat atcatacttt ggtgttccca tctttcttga 180
tcttgatcct ttgttttccc cacagacggc accacttggg ggtgcctttg agaagctctg 240
caactcttaa acctgcgcag gatcgaaaga aaagataaaa tagagtcacg gcagacaaat 300
cagcagagca tgacgcagag attacgtggg cgacat 336

<210> 25625
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25625

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tttatatttt ataatacatg ttacccaaca gagaaataga aggaaaagag aaaaatatta 120
gacatacatt atgtaatact gttgaaaaaa tttcaatccc gattagctaa aaataatgtt 180
aaaattaagt atatacaaag tagggatttc tttttcctat tagtaacttc ttgaaattaa 240
gttaaataat ggtatcacag tctatataag agagggaaca aactcttcct taataaataa 300
atcaaagtga aactcatatt ttaataaata tagttttcag acacaatctc tattagtaat 360
tagaatttat tgaaaattat aaacatgtgt aatgtttatt actntaatct 410

<210> 25626
 <211> 330
 <212> DNA
 <213> Glycine max

<400> 25626

gcacgttaca ttcattaata ttcaccaaag ttgacattct aatatacttt ggatatagat 60
 agattctgcc ttccttgcca tcttgtagta aagttgaaca ccatccaatt acaagtagaa 120
 ttcagggtcga acacatcttc acagaatcga ctggtacaat tgtcaaagaa acactatatt 180
 atatgcaatg cataacataa gaacatctta ttaaaacatt aaagaaagaa gaagaagaag 240
 acgaagaaga caacgtgaga gactattgac actctcattg cacactcccc actatctact 300
 tttaattaca atatccaaca atgtgctaaa 330

<210> 25627
 <211> 515
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25627

nccgtggctg gagcatgact ntcggcaatt cnaactcgaac ccgggaccc ctgagtcgac 60
 tgcngcatgc aacctaaaag tgggtgcaatt atccaccaac actttggtcg gtggtttaat 120
 gtggaaggcc atctcctaga tagccttaac caggggtgaga atggccagcc ccaagagaaa 180
 gtggattcca aatttgagaa ggaagaacct ggccttgcca agaagagacc tgagaatgat 240
 attggttgaa aaccaaagaa gggggccttg gtcctatctc aacctggtac ctgaagaagg 300
 tggtagaatg gtatatgatg cctccatctt agccgggtat cacacctttg ggtcgcacat 360
 gaagctctct attacataag gtgatggaac tctatgtgga gcctgtaggc cctggatctt 420
 cttcatcaat ggaggccttt gctctcttaa gaaaattgcg cccgatgaag aggaanaaat 480
 atgattgaga tgccactcag gagaagatga gcaan 515

<210> 25628
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 25628

ggattatcag atgtttgtaa tcgattacca gtaacggcac ttcagaaaat actttaaaaa 60
 gtcacgaccc ttcaaaatat aactgtgtaa tcgattacca gaaacctgtt atcgattacc 120
 ggtgataaaa tttcaaaaat actttttgag agacacatgt cttcaaaacta ttttgaaaag 180
 gcacgatggg cctatatatg tgtgtgtgtg tgtgtctgac tttaaaaagc aagagagaga 240
 tattctatga gaactcaatt ggcaaatgct ctctcaacaa ctcttgggca aacacttaca 300
 aatctattga gaattcttct aagatcttta atgtgtatca tctactctaa aagagagaaa 360
 tctttctgtt catcttgaac tc 382

<210> 25629
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 25629
 attcctcaac ctcacgcaca ctctgaactt tgtgaattac accacacaac acagacaata 60
 tctcaggctc aatctcaagt acgtattttt tcttatcttt cttctttctt ttctctccaa 120
 taccttaatt acattcattt gcactttgtc tacacttatt cttcgaaatt agcctctgct 180
 tcattgaaac ccctttctct ttgtttgcga aaatcatatt cacttttttt ttcgcacacg 240
 ctcaaccaag taaaccctaa ttacttactc gcataaagta ttgggtatag ccacgtatga 300
 actcctacaa gttgtgtgtg cttctttcag attccttgt ctatattttg cacgcgctgc 360
 tgttaagttt tgaagcatca ataggctgca cattgggaat tcgattggaa tgtatgcaat 420
 atttctcagc ta 432

<210> 25630
 <211> 344
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25630

agcttgact ctatttacta aatntatfff ctacacaatg aagtgattaa ctaactaact 60
 aactaaattc cactaatata tagagtgact actcaaaagt aagggatgtg ccttgattaa 120
 gcccatctaa tctatctaata taaaccaatt acacaaaata aagcccaaac tcgtagccca 180

attattcaag tgcagatggt ctgacttcca agctcaattt aaccctcaaa atggcagaat 240
 cggccaaatc ttatttgtga aaaaattgaa cctctcggtta ttagttnttg atggactact 300
 cacacgtcc atttggaggt ctgtagtgtc ctataagccc tgca 344

<210> 25631
 <211> 434
 <212> DNA
 <213> Glycine max

<400> 25631

gacactctct tgggtggtgaa acttctcctt ttgacttat tctctagggg ataactcatc 60
 gtctcacctc tacttcttta tcttctcgctg caattccatg gctgaaaatc accattgaag 120
 gaccttattg aagctcaaag atccagcctc catagaagct tctcaagcaa gcttccatca 180
 ctatggttct agctaacact actaaatata tcgtattcca cgacgcgcat ttaaagtcga 240
 tcatcacaaa accgtcattg tttgggggcg ggcacatttt tgtaaatact ggcaacatat 300
 taaagacgac tatctttaat tgaagctctc tctctaagct tcttatccaa gacactctct 360
 tgggtggtgaa gcttatcctt ccatgacata ttctctagta gataacacat cctctcacct 420
 cttattcggt atct 434

<210> 25632
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25632

agcttcacaa ttacttatta tatctgaaag actgagctca gattggattc tgattattnt 60
 tgtgtgacca ttatttagtc aaactcataa tataatagtg tagcttcaag tttaatccaa 120
 actatgtttc tgaatcaaga gtaaataact atgattgagt taaatgtata tgcattgaac 180
 aacaaaccca tcggccatca ccactt'aaac aagaattatt ctttgttatg ataacagacc 240
 aacctctccc aatgtctttt gtactcatta ttccaaccat gtatttaaga caaaaaccaa 300
 caggcaaaaa tatgtttaat tgaataaaaa ttaaaaagag aagacaaaaa gctntttacc 360
 ctgtccaaca ttgcagcctc ctcagcgagc ataagttctc tagcagctac atctttcaac 420
 ttcttttcat atatntctta aca 443

[illegible][illegible][illegible][illegible][illegible][illegible][illegible]

<223> unsure at all n locations
<400> 25635

ggcgcgactc cttttacatc tectgaacct anatttgntt gttgttgggt gagcccttta 60
ctcctcagac gccatgaaca acaaaataac aataaaaaaa aaccatagta tacaatctac 120
gtaaccatta cgtgtggttg tttaagcaaa caatactctc gcatacctaag cgcataacta 180
ttccacttgt ttcacaatag ggtccaacca ctaccaccaa acctcccagg tcatgatggt 240
tntacacttt tatatggatg aaaattgaga gtgatcacca catacagata caatgtacat 300
caatcctcag cccccaactc aaaaagcata gtctcagaac cagtgaggaa tagcanagt 360
aagcctgtga gctccccgcg ccaaagtgt gcaccaaagc tcgagtagtc accattcact 420
aat 423

<210> 25636
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25636

gctcgcaccc gggatcctat gagtcacctg cngcatgcaa gctngctgat ttggccacta 60
gagccaacat gagnetcaagc agttcattaa gcagggtggcc tgcccggact cgcttttttt 120
gtagtataaa tggaactcta cagccagcac ctatgcagaaa agccagaaac aatcaatcat 180
ctgaagccac tgttctggac ttttatgtgc agaagagatc caaatgaatt gaggaggctg 240
ttatctgacc agtaccatac cgctgatcca ccattctagg gggaccatct ttccgcccag 300
aacagcttcc attacacata tatatcatga ccctacaggc acaccgatgg ttctctctca 360
ccaaccgact cattttatat agaagggagg aactactctc gac 403

<210> 25637
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25637

tgccacccag ctcgcccagg cgagcaaggt tgcttttcca ttagcaacag ccttctggag 60

<210> 25640
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25640

agcttgtatt taccttccac tacatcaatt gtacctatct agctacttat atcctgaatc 60
 aaacatgaat tagaaaagaa agttaacttg atatagagat taaattgaaa ttgaaagatg 120
 gcaagtataa cacatctact aagtgtaaaa attcaataaa ttgactggtt ccagagtgtgta 180
 tggctatgac ttgttgacta gcaggcaggc gaactactat ggaatttatt tctctatatg 240
 tagaataaca agtcaatgag gatgcaatat gatctgtagc accagaatcc aaaatccatg 300
 ttgtagcctc aagcttgtga gcattacaaa taagggatag tatatattac ctatgctnga 360
 tgtatgagca gaacttgtac caatctagtt aacttgtgat ccacgagaag ctata 415

<210> 25641
 <211> 353
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25641

tatcaacttc taccagtgga tacaaagatt naagtaccat tttcataaaa atatcactaa 60
 gcagagtact agcctaatat atttttggca gatacaaaca acttaattga aataccaagc 120
 atctataatt ggacagaacc attcaattac atacatttta tagaagataa cactgaatca 180
 acatatccaa gccaaagataa cattgaatca ccctagctta tacaaaatag ataatttcat 240
 aaaggaagcc cgctaagcga attntgtctc gctaagcggc caatgtcttt ttcagtttta 300
 tttctcacgt tttaaaattt gaataattgt gtcttgatta attgtttgat ttc 353

<210> 25642
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25642

agcttttctt cnttttgatt gcaagtgggtg gagtgtaaag tgagatacaa tgaaacttaa 60
 acttgagtta agggatgttt acattgagga gatcttgata tacataaagg tagattggaa 120
 gtaccaaagt tctggataaa ttaatgaaat attatttttg ttaaccaa tgtctcaagt 180
 ttaagttctt ggtatacaat taggttaaatt atttgaagaa aaataatttt atcatttata 240
 ataattttat gtaactcaaa caaaattatt tttagtgaag gaaactttat gaccatgagg 300
 ctagcacaag aacctatgcc aaataactct tgcacaaaat cactatcaga ttcatttttt 360
 ctattatttt ctatgtgcg 379

<210> 25643
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25643

tagataaatg gttaatcaat taaaatatct atttattttc taaaatatta ttttactcta 60
 tgtattttct aatattatga aactcttatt ttaattaaca aaaacttttt cctctcattt 120
 atttaattgt taaaactcta ttaattttta aataaattct ttattttatt ttaaaaaaat 180
 gagatattac agttcaggac ccattagctg cgcaacgtct ctacacaaagc ttttacaaag 240
 gttttggcgt caagggtanag ggaggtgatg gagaaaattg tgagtccttg tgggtggcaa 300
 tttgctcccc acagacaaag caaggatagt atcgttatta cccaggaagt gaccactcta 360
 tgagaagtag 370

<210> 25644
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25644

agctttattt tgctttacct aaacnatgag ctctacgtgg ttgtagcttc ctataatagg 60
 tataagaata ggatcaaagc ttctactttg acaatcacag tgtcaaggac ttaactgatg 120
 acattattgc aaattcaatg ttttgacatt ccttaatttt gtaggtacta ccaatgggaa 180
 acgggcaacc ccaaattccag aaatgggttc tacatctcaa ggggaacgga agaggaagcg 240

gtagcaacc gacggagagg aggaaacttt gccaaagccaa ttaattgatg tcttataaaa 300
 gaatggcaaa atgctacatg atcaacttng agctcanaac ctgaatgtcc agtggatcgc 360
 caacagcaga tagacactgc cagaacatan ttgctgactc gataagctgc aatgctctag 420
 gagaattgtg ata 433

<210> 25645
 <211> 271
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25645

atgcatacta ttcttcgtat tgatataagc ccccatcaca tggaaaaatc aacaaccag 60
 cttaatatta gagctgaaat gacatangga agatgatgtc tactgggtaca attgactgga 120
 ataggtatcc tacacacttt tgacacagac aaacgagttg aaaacggtaa cttgggtctag 180
 atatattact tgtgcgattg agtctgacat tactattcat ttccatttat ggacaaagaa 240
 attaatttac acaagattag ccctttacat a 271

<210> 25646
 <211> 518
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25646

acaccgccgg actgaattca gtctgtttcg nanncnccgg naannnancn cggacccggg 60
 atccgcagag ccgacccgcc gcaagcaatc ttaactttca aacaaagacg acaaagggag 120
 aaggggngag tggcgacaac gacaaacacc gcgcatgcgg cnctcgaaac caccgncgcc 180
 atcacaaaac agaggggagaa gggagaacca agcttcacga tgatgaatca aggcgactca 240
 agaatgctcg aggataacaa agacgatgac caaaagccca acagaatgag ctcaagactg 300
 cagccacaag tcgcaagaat caagagaagc tcgagcacia gatgcaagag aagatgaacg 360
 caagattcac gacaaacaac caccaggact cacaagggaa gcaccgagat atctctcaca 420
 aaccaacaca cccagatgcg tccgcaaaga aggcacccaa actactaagc accagagctn 480
 cactctcagg catccgaaac cggtcctgtg gaccactc 518

tgatcatcca ttttcatgaa cta

383

<210> 25650
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25650

agcnnaatgt ttattttaat gtaatgatac gtaaacatta agaggacgtt attgaatata 60
tataagtaat atatatatat taatgtttat aatgcattta attacttaca tatatatatta 120
atgtgttttaa tcctttttat gtacttatat atataatatt tatccaatga tatgtttatg 180
attattgtta ttattattat tattattata tatatatata tatatatata tatctagtagt 240
tacctataac ttgacagcgg tatgttatat atatttgttt ataagtcttg aagatacatg 300
tgtcatgcta ttattattat acatatttat ctaattgcta agtatatatt ataatatagt 360
taattgtg 368

<210> 25651
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25651

acatgcacaa agtgtgacta tatgatgtgg caatgtttgt gtattannag caaatgctca 60
cctctccctc taaanatgtg aattggatag agcttctacc aacttcacat taaatttatt 120
tccaaccata cacatcaaatt attcacttag tgcgtgtgaa attacaaaac taccocctaat 180
acaaaaacta gtcttggtgc cctaaaatac aaggactgaa aaatcccata tttctagggg 240
accctaccta cattatggag cctaaatac aaagaccaa attaatgaaa ccttaatcta 300
atatgtacaa agataagtgg gtcatactt agcccttggg cccgaaatct atcctaaagc 360
tcatgagaac cct 373

<210> 25652
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25652

agcttacctt ctgatgtata tgcctaacca accatttcct cagatgaggt actccaaata 60
ctctatgatg ttaagcaacc aaaacctagc atacattntg ctttaaaatt aagactcgtc 120
gctctctcac agcacaaaa cctagtttct tcataagaga aaattgggtc cactcccat 180
tggtggaaaa agttgaaatc cgtagagagg tcgaaacgta ctatactaga aaatcagaaa 240
ataatgacaa ctttgtaat atctttaaag tcaaattaat acgtaatctc taaagtatat 300
tagatattaa ttagggctct ttaatttgaa ttattaattt gaattttata atntaaatnt 360
attattatat tcttaaaagt caataccatt aagcttacat tannatatat tacatagtat 420
ttctatattg tatacacata ntttaaataa t 451

<210> 25653
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25653

cccaagaaaa gttaaggtct aaaactcatt caatattggt cctggtttcc catcttccac 60
gtgaatgagc tgcttaccg aatacattat atcttctgac attttttttg ttatttttca 120
attatcttta aaagttttat ttttgtgggt acgaggggtat gacaagattt ttttccctc 180
cccatttcct aaataaatag taaattttta atattactta tcttatttct ttattttcta 240
ttattttttt gtcctttgct ttaaatacct acgtggaagt ggaagtgaat ctaataagtt 300
tagtaatata ttatttaatt catccaataa gagaaatata ttcccactta aactttgtgc 360
tctaaaatat aacatacata ngatatgttt taatcttata aactaaccgc cgtttatttt 420
actact 426

<210> 25654
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25654

agcttgccat ctagtctccc caggcgagca aggttgcttc ctccagaagg ctgttgcttc 60

tggaggaatc ttctagaggg cccaagtggg cctgggtgct atttgcaccc ccatttttac 120
 taaatacacc cctgtccttt tttggtgatt cttttttcgt aatgttacgg aaacttatgg 180
 atttcgtaac gatacttggt ttcttcccggt aatgttacgg aactttgcgg attacataat 240
 catccccctt tttgacttac ggaatgttac ggaacctcac taattgtgca acgatgcttc 300
 cttttgattt ccggtgtgtc acggaacctt acggattgtg catcaatacc ttctttngat 360
 ttccggcatg tctcggaact tcacaaatng cctaataatg ggtgccaagc acctca 416

<210> 25655
 <211> 461
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25655

agatactcag ctagcatcct gaagacaact tctatgat atagacttgt tgtttatgag 60
 tacatggcta atggttcatt ggataaatgg atattcaaca agaacaaaga ggaatttcag 120
 ttggattggg atacaaggta taacatagca cttggaatag caaaaggact tgcttatcta 180
 catgaagatt gtgactcaaa cattattcat tgtgacatta aaccagaaaa cgtgctccta 240
 gatgataatt tcagggttaa ggtttcta tttggtttgg ctaagctcat gaaacgtgaa 300
 caaagacatg ttttcacaac acttagaggc actagagggt atcttgcacc tgagtggatc 360
 acaaactgtg ccatatcaga gaanaatgat gtttatagct atgggtatggt gttgctagag 420
 atcattgggg ggaggaaaaa ctatgatcct agtgaaactt c 461

<210> 25656
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25656

agctntcact ttctcttacc ttctcattgt acttctattt ggtgtatgta caacactctt 60
 gctgcatatt ttctcgttct tttatgcaag tgtgactgat acatctttta ttttctata 120
 acttctttct atttttgggt gggtgaataa ccggttaaacc ccggtgaacc acccgctctc 180
 atcgatttac ccagttaa tcttggttta ctgggttttag tctgggtttc tgggaggggtg 240

gttcaatggt gcttttggat tggatgctg gttcccgggt ggaccaattg aaccggtcga 300
 tccgatcttg ntttgaaaac cttgattaan atagaactaa tgggtctgtg aaagcgtaat 360
 atccatatta atgtatgat 379

<210> 25657
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25657

acttgcttcc nttgatttcg gagacgtctc gggacgtgat ttattgtgca accaaagacg 60
 ccaagtgtct canagcggcc aatccaaggt tgtatatcat caaataataa tccccggacg 120
 aaattanggt atgacaggag ccaccagaac caccttagat tgttttgtct tttttctctt 180
 ccttccttcc tactccttct ccttaccttc ttctctttct taccttcttt gtaacaccct 240
 gaaatctcat cttagattat ttctacatt gtgaaagact agatagtgtg agttcactct 300
 atgtaaatct actttgtgaa tttatgaatn taatttattt gtttgataa tcctaatacct 360
 tgaattatgt gttatacata gatataataa taggtgcatg tgtttgcttg acatagatta 420
 gcagagatat ataaactatc tgagctaa 448

<210> 25658
 <211> 396
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25658

aacttaagaa cttaatcatg ctaagggatt ttatagtttt atctcatggn cnaccattgc 60
 agtaggcgag aaacactacc caatcacaca gcaaagcaat aacactttta ccacacgcac 120
 atgaaaaant ggaatgttat agtattgcta ttagcactat aagttttggt gatggaacta 180
 cccacatagg tgcattttac tcatattcca aaactgcccc ctaaaaaatt gcacaatgga 240
 atcgtgattt cattgtgcaa ttgtgggggt gaaaaattaa agaacgtttc ctgtctacaa 300
 gtgcacaata catttgtgtc ccattgtgt ataattttcg tcccccaatt gtacaatgaa 360
 acaccatttc gagagaattt ttcataatcct atctaa 396

<210> 25659
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25659

agcttatatg tatttcttgg atgagttcct ccaataggtg gaaaaggtgg aattattgat 60
 gttcaacaga gaagatccaa ctggttggat ttctcaagca gaagtntact tctgaatgat 120
 ggagacgagt ccagatgttt aagtgaacct cgcacagctg tgtatagaat gaccacaaat 180
 caacttcttt aactctggta gcaaacaagc ctaatttgac ttgagaacag ctcanaggtt 240
 aattgcttga catatatgga tggatgagtg atggcgacat tttcgagcaa tttatggctc 300
 ttcagcaagt agggagtgtg gatgagatga gtaaatacag gaatttgaat agtaacaacc 360
 caggtgatgc gcttgccctga tgaccaatat tttgggtatt taattcatgg act 413

<210> 25660
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25660

tcactttatc attcctttcc atatgctatt gtttggatta tagattgact ntgtctatta 60
 cataactcca ccggagaatc tagctaacga cctttaccca ccaacctgt tcttttctat 120
 ccagcttgaa cccgagactt tggttaagga atctaagctc aattccactc cattttcttt 180
 cattagaact tatgggtata taccttagtg tataagtgtg cattactaag cacaaatata 240
 tgcttgaatt tctctatatt ggatatctat ctgtgtgtga tttagtaaag acagtctatt 300
 cttttaatca gattcaaggt agctgatatt cctggaacag tatcaaaaagg ggcaccagat 360
 ttctgcacag tatatg 376

<210> 25661
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

[illegible]

<210>	25662
<211>	421
<212>	DNA
<213>	Glycine max

gacacataac	actcagcttt	ccccaatctc	tataaatggg	ggagaagtta	ttgttttagg	60
nncagcccct	tagcattctt	ctctctatcg	aatatgatcg	gaaaaattgt	ttccgtgaag	120
aagatctaca	ccgatgcgct	tccgaaacgc	ttccgtaacg	tttccgtaag	gaatttcgcg	180
aaagtttcga	ccgtttcttcg	acgtttcttc	ttcgtttcttc	atcgtttcttc	gatcttcaac	240
gagtaagtac	ctcaaaccac	gcttttcgat	tcattctatg	taccgcgtgg	gggtccacatt	300
gagtttcgtg	tattttctatc	ctcgtttcat	ttacttttta	tacccccctt	tgacgtgctt	360
aagccatttt	atttaagtca	tntctcgctt	aaactaaaga	taaaataaat	ttccaccgat	420
						421

<210>	25663
<211>	415
<212>	DNA
<213>	Glycine max

agcttggttt tatgtactta cccattgaag atcgaagaac gatgaagaac gaatgaagaa 60

cgtcgaagaa cggtcgaaac ctttgcgaaa ttcttcacgg aaaacattac ggaaacgttt 120
 cggaagcgcc tcggcttaga ttttctttac ggaaacaatt ttccaagca aattcgaaaag 180
 agagagaagt gcctaagggg ctgaaccctt ttcttcttca ctctctcccc tatttatagc 240
 aaaatagggg aggtggttgc cgcccagctc gcccaggcga gccaggttgc ttctccaga 300
 agcaacagcc ttctggagga atattctgga gggcccaagt gggcctgggt gctatntgca 360
 ccnncattt tactaagtac accnctctg cttttttggt ggattctttt ttctg 415

<210> 25664
 <211> 362
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25664

ttgagcnaa tctgactca ccatanacct tgttctcagg ttgtaatgtc aatccttatt 60
 ctcggaagcg aanagaatag aagggaaatt tccaatcaaa gaanaggaaa gaaggaagat 120
 ttccaatcaa agagaaagca aaaaaagaaa agaaggaaaa ttccaatca aagagtggga 180
 gaaagcaaaa agataagata gaaaattccc aatcaaagaa tgggagatag taaaaaagga 240
 agaagaagaa tganagaaag ctctgatca gggatcgaaa gaaaacagaa gaaatgtgca 300
 gaaaggtctt tggaccggac aatatctgaa taatacagag ttgtcaccaa atgaacaaaa 360
 ag 362

<210> 25665
 <211> 440
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25665

agctttaga ttggctagac atgatacatg tcagggtttg gtttggttca nagctttag 60
 aatggctaga catgatacat gtcagggttt ggtttggttc aaggataaaa gggatgcccc 120
 acattatttc catgacacaa atgcaaaaat gatgatttgg aaacttcatg caaaactggt 180
 catgcatgca cctatgtgga cactcaagtg tcaaattttt atggatcatg gatgctagga 240
 ctgangattc atttctctta ttttaaatac acccaatggt tccaaaatat gttcttttat 300

caatntgtgc attcatccaa gtccatttcg ggcgtccggg gaaatntcac agcattcacc 360
 cttcaggtgt agacacattt ttcaaaaatt gttatgatca atgaattntt tttcaaagaa 420
 aagttgaaat catctctttc 440

<210> 25666
 <211> 512
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25666

ccacgtcggg atgaaagcct ggggagtang atnncgtgac ctatagaaac tcaagctngc 60
 tctanatnta cattgatgtt tgtatntatg atatgatgtt atatngccat tttgctttaa 120
 gaatagtgtc ccactggtaa aattaacttt ccaaagtgtt gccttcgcag gaatggcccc 180
 gaggaagctt gectcanaga ggtccaggaa ggacaaggcg gccgaaggaa ctagtccgc 240
 tccggagtac gacagtcacc actttaggag cgctgtacac cagcagcgt tcgaagccat 300
 caagggatgg tcgtttctcc gggagcgacg cgtccagctc anggacgatg agtatacttg 360
 atttcangag gaaatanggc gccgaccgtg ggcaccactg gttacttcta tggccaagtt 420
 tgatccagaa atagtccttt gagtttattg ccatgcttgg ccaacagagg aaggcgtgcg 480
 tgacatgaga tcctgnngta ngggtcagtg ag 512

<210> 25667
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25667

ttcttatntt tatgaggaat tcataatata atgtttactc taacatacta gtgagaaaat 60
 aaggataaaa tctgtgaatt tacctctttt aatgaagtaa taagtaaaac tggttacagc 120
 gatgtcttta ttttagcact ttcttcatca ctagcatggt gtaacctgag catgcacttg 180
 tgtgcacata ttcaaaatgt ggtttgaaaa aaatatcact aagaatgtac gaacacatct 240
 ttattttaac aaaagaaaaa ataccagata tcttgctatg aatatacatt gaagaatcaa 300
 agttgctagc tagtttggtg gaatctatgg nggaattgct gaactatctt ccattggggc 360

attngaacat ctatcatgaa cttccatttg agactntggg atcgatggat aattagactc 420
atcacaaagc atcta 435

<210> 25668
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25668

nttacatcca ttaattatca attttacacg tatatgagat cttatttcct tttcagagct 60
atacttacta agatctagag ttgtccctcg tcagggtgga cgtggccaag gtaggctcta 120
agatctcgca cgtcggactg agagtagcct ttgctaagac gacaagaggg gggaacctgc 180
aaataaagga cttcgacact aaagtaagta cgagagttag gtgagaatan attttgtaaa 240
agggtgagat agaacctggg acttatagag tggagtggaa gctgcggggtc tttatttggt 300
gngattgtac ggtgttgtaa cacccttgc agataatgac t 341

<210> 25669
<211> 356
<212> DNA
<213> Glycine max

<400> 25669

tctttttgtt ctttgaaact actagagagg cactatgggt gacagaatac acacatgagc 60
ccgcttagag gtaatggatg agttattcac aatagatgag tagtgataac atgtgtaggg 120
atccttacag tatcaattcg aatgactttt tgggatgttg tcgcaaaatt agattttatc 180
cttacaatta taactagaaa ttatatatgt ctgacaaacc aattgacgtc ccaatgagaa 240
attgctgtga cattgatgtg tctctgtgtt gagtgtgaac ccttacaaat atgagaactt 300
tttattaaca tgaatgttac tctaaataat attctataat gacatgaata cttgtc 356

<210> 25670
<211> 522
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25670

663707-504750

nncctcggcc agttcagana catcgcaaac nnactnngac ccgngatcct cttagtcacc 60
tgaggcatca agcttgaatt ttgttattat aanggtgaga cttctgcttg tattcggtga 120
ccacagaatg gtgcctggag atatgtcgca ngggtcacga gaccttgggg acgtcatgtg 180
gggtgctatt gccaatacc aagcttgaac aatccctacc caccocgggc ataatcagtc 240
agtgagaacc tgtgtgttac ctaatctagc gagcctctgg cagtcaacag ataaaaggaa 300
caaagaccac aaagcatgaa tgcttgtgtg gtggctggcc agctgtgaat cttgtgtgac 360
atatgggtta tggcctctgg taatcgatta cccagggtgg gtaatcgatt acaatgctta 420
aaaatgaaga caggagacta agattgtccc tggtaatcga ttaccaangg gtgtaatcga 480
ttaccatgct tgaaacgagg tcatgaagct angagagctt ct 522

<210> 25671
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25671

agcttcaaga ttatgtcttc atgttgctca tgttgctccc cctatctcta acacctccaa 60
ggtegcactt ttgtttcaat agcttcacat tctcatcgct gcttctcta attcccttct 120
caaaggccta agtcgttgca gctctcacca tggcagttat gtgccatggt agttgcacat 180
catcgatgtt tgagagatta ncgaaggcag gtctggggga aacgtgagcg aagaagaaaa 240
tagggagtca cgagtgaacc atactagaat cctcaattaa ttgatgaaca aatctaagga 300
gggttttaga tctaagggca aagtaaaagg ttgtgtgagg tggaatggtg gtagtg 356

<210> 25672
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25672

agcttggttct ttttatcttg tntagtggca gagttacaag caaaagggtc cagaatgaca 60
actattttaa ataaatacaa ctaaatagta ctacctctgg tcctttataa acaaatgaga 120
acattctttt ggtcctaaat cctaattata aactttcaaa tatattaatt ggtcaatttc 180

ttttatatct ttcaatttat tttgaagtct attaatagaga cattcagtca tttctcatga 240
 taataattct gagtattttt ggaataaatt taaatttatg acattattaa ttacaattaa 300
 caaatttaat tatttgtatt agttttgatg aattacatat ttgtttcata catataggac 360
 caaaggaaat atatactaca tatatgaaat actcaaaaca acacaaaata cccaaaatta 420
 aagaannatt gtgataataa taaatcacag 450

<210> 25673
 <211> 269
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25673

ggatggncaa acattggtgt gttgtttttg cttttatggt gtttaagcat tcaaaaattg 60
 tgtgttgctt ctatcttgag cggttaagca ccatgttttag cttctgctct tgatgggtaa 120
 gctntgttga ttctacctat ataatgggta agtacttggt tgggtggcttg cttctatctt 180
 gagtgggtaa tcatcatgag tagcttctgc tcttgatgat taagtttgat ctacttttac 240
 cttttaagtg gntaagtga tttgcttct 269

<210> 25674
 <211> 353
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25674

agcttataca ttattttacc atggaaaaca agtgtatgat aactgtgtct ttgggttagtc 60
 tgggtcttaaa gtgtctgata aaatgttttc ttttttagcac actaattggt tgatgaaata 120
 ttgcattgag ttcaacataa attgtatctc tactacaact atagcatgtg tgtcactact 180
 cctttttaa atctctgtgat tctttataaa attaaataaa tatgcaaaaa tngcaaatat 240
 attaatgggt ntaggaagta ttgtatgttg tagatcanaa ttgaattcaa gattcccat 300
 atctttgtgc aggaactgat agtgaagttg gaggaagctc tatacaaaat tca 353

<210> 25675
 <211> 379
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25675

acatcaatgc ttaaccacca tggatagaaa cttgatgatc ttgtntttta atagtagagg 60
ttcttgacca gattgaaccc cagggacaac aattgcttca aggacagaga caaggaagaa 120
attgctggac aacaggatca acaaatgacc taaagtaggg ttcgtgacca gattgaaccc 180
caaggatagc aattacttca aggacaaaga caagcaagaa gttgctggac aacaggatca 240
acaaatgacc taaagtagga ttcttgacca gattgaaccc tgnggactgc tatattaacc 300
aatagatcac acaacagata aatagaagga catgtgacaa tggagctgca caacaaaagg 360
ttaagagaga caaactaaa 379

<210> 25676

<211> 339

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25676

cgaaatcgac cctgacctga aaccacnatg ggaggccggg agaggaagag gagcccttgt 60
tctttcaacc acaaagggag ggagaaacaa acaccaccca cagagacag accccgcagc 120
aagcaacgaa agacgaagga ggcggcagag gcaggaggga gccagaagag ggacgaggaa 180
gcagccgaac acgcaggcga ggagaaagag gagcagcagg aaccgcagcg aggaagcacg 240
aggccgcacg accgaagccg aagaagagaa agaagccgga aggcggagcg aggaggagga 300
ggaggacccc gagcacggga aggagaagga gcaccaacc 339

<210> 25677

<211> 400

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25677

agcttttata tttgaaatca ngtgcagcca tctccctagg agtcctctca tgaggtggag 60
gttgagccat gttctcagta taaaaattag tagtggaatg ctcaaaatca gaatattcag 120
aatcactagc aattgaatac tcagaatgct caaaatgcac agaattgatca ggatgcacac 180

tatgccaaac taatctatga aatggtatat ctatttttagg atcaaagggg tgtaaattgc 240
ctggattgcc cctagtcatg attgagcagt ttctagagag ggtagcctat gcctggggccc 300
aaccttctct tcatanggaa gatgaatgtc ccacagccca ng tactacag catatagagg 360
atgcgtcatc tgangggcac tgtccagagc cattcattgt 400

<210> 25678
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25678

gacacataga tactcagctt gttgacagt aatgattgaa atgattgctg ggatttttnt 60
catgaaagag tgtttgagaa tgatttgaat gagcaattgt atgatttgaa tgcattggaa 120
tgattatata attgttttga tcaagcttgt agccattaga agagaatgag catgtgatta 180
caagtatgac tgaaaatgtt tgtcagtttg tcagattgat tgtgaagaaa tgcattgacc 240
gtatcccggt gagagtgtga tccttaaatt ntgagagaaa tgactatcat ttagtactaa 300
ttnttgctg aatctttgaa gtatggactg aaagtatgaa attgaggatg atgaaggcca 360
tgtttgattg tgataaccac t 381

<210> 25679
<211> 387
<212> DNA
<213> Glycine max

<400> 25679

agcttgtagt tttatatgag aatgagcatg tgattagaag tatactgaaa atgttagtca 60
gcttgtcaga ttgattgcaa aggaatgcat taatcgtatc ccgatgagag tgtgatcctt 120
aaatttttag agaaactact atcatttagt acttattttt gtgtgaatct ttgaagtatg 180
gactgaatgc atgaaattga ggatgatgaa ggccatgtct gatttgata gccacttagc 240
caaaaagctg accatgtgct tgaatgaatt atcccttgca cccaggatga gctgaatgaa 300
ttattgattg attgaacccc gagcctatac agtgttattg cctactacct tgacttaggt 360
tgtaggagac catcatccac aggaagc 387

<210> 25680
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25680

atgggtaaaa ggctcacatt cactatcttt tacatcttat tcaaacttgt ccaattaaat 60
 aataaagtca tctcgactca nagaaagtca tataagtctc atacaattaa tatagaacct 120
 atatccta at gtcacatcct atcagagcat ggtaggcccg cgtcctctag catgaggctc 180
 ttcatagtca tccacctatt catctgctcc cccgaacaca gagttcaaga tcatcacagg 240
 atccaaacac aaacagcaaa ccgggagtg gttatcacat tgctaactac tagagagaaa 300
 caacacaaca tatagtagcc agatacaatn tacttagcat atctcacatt atgtcatcac 360
 tttgtcattc atcaatcaca cttgtcatcc atcaatcaca tctttcaatc atcaatcatt 420
 atacacggga atcacacact ccgat 445

<210> 25681
 <211> 278
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25681

gannaaagca gacgagaccc anaaagacnc gggacagaac gagagaaaca tttttgcca 60
 gcacaggggg gagaacaaca ccccccgag gaggaagcga cgacgacgag acgaacgaca 120
 cggaagaggc aagcaagacc ccagaacgaa aagacgggaa gagagcagac ggagcgacga 180
 gaggagccga acagacgagg agcgaacggg ccgaggcaga ggagacaacc aagggaacgg 240
 accggagagg acagggcccc agaccaggcc aaaggcac 278

<210> 25682
 <211> 342
 <212> DNA
 <213> Glycine max

<400> 25682

agcttctcga tatattatgc acctgaattg gacttccgtg tgacaagtta tgaccatttt 60

<210> 25685
 <211> 314
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25685

gtagnngatg catgtagcca ttaacaaacc aacttttgtg acatgggtgg tttttgnnnc 60
 ngnggattag tatcatcaac ttcagctaca gccatttctt ttntcaaagc atagactggt 120
 tataagttag tgttcctttc gaaggacagg atgaatgaca gaaaccctta caagtggggg 180
 cagggatcta gtataaagac ttaaataaac cataagccag ataggaacac gttctgacag 240
 aacggagagc ttaathatta tcaaaagtaa atagatagcc aactcaagga cagatggatg 300
 ataatgtaaa tgat 314

<210> 25686
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25686

tgcttatagt atatataata aaagaactat gactattgaa gaatctattc atgtttcctt 60
 tgataagtct aatgctatct ctctgagaaa ggatatttta gatgatgttg cataatcttt 120
 agattaaatg catattcata gacaagattc taaaggaaaa gggaaaggaa gcaatgaaga 180
 tcctccagaa gaagccaaat caaatgatga acttccaaaa gaatggaaag cttcaaaaga 240
 tcatccctt gacaacatta ttggtgatat ctcaaaaggg ataacaacta gacattctct 300
 taaagatnta tgcaataata tggattntgt gtctatgatt gaacctaaaa atataaatga 360
 agccataata gatgatcatt ggataattgc tatgcaagaa gaact 405

<210> 25687
 <211> 313
 <212> DNA
 <213> Glycine max

<400> 25687

tcaatggcga gttcgtgagc actgtacacg tggatggcaa ctgctgctg ctgctgacga 60
 tttcaagttg aggagcgtcc cgccggtgaa gctggcgatt tcgagcctgt gctgaaatca 120

cagctttgtc tggcgatttc caaggctacg aacgtagggt gaagaggcac agaagccaca 180
gaagccatth cagaggtctt gaacgaagct gcagctgcaa ggagtcgcca acaggaccgg 240
cgacttggtg agttcccgaa acccgcaata ggaactgcgg tttgctttgc ttaaattccc 300
ccctttcccc cgt 313

<210> 25688
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25688

tgctttgtat tcaacaatgc aatgcaatgg anaattgtgc aatgttcacg acattctttc 60
ctatttttgt gatttgattt ttatttgatt ntttttttgc ttcttttttt tttgtggaaa 120
acacagattg accatctctt tgtgaaagac atgataactc ataagacctc atcctatctt 180
ttacaaatct cttcggggac tcccttagaa tgtatgtttt gtttgattac ttgaaaattt 240
tggagtgatg acaatggagc catttgacat ttaatcaatc aactaaaata ttgatcctag 300
ggttttcccc taccctttca ttntaaactt caattattct tcacaacaag aaatatataa 360
gggctntgng accgatcgca ttagcatg 389

<210> 25689
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25689

gttgcatcct agnaaaacca attatanttg tagcccaacc tttttataag ccaataaaaag 60
tccttctaatt tcaatttgtg tatttctaac tttatggtaa gagatgaagt acaaatattg 120
gacctcttgt tagttgttat tgctaaatag cttaaacaca tgtgcttgag tgaaatagtg 180
gccgcgagac attgggtcaag catctttcct tgatatctgt ctcttccta gcttcattta 240
gttgtgttgc ttactaacat gttctcttct ctgaaaaact gcagtccttg tngaaagcaa 300
ttgagtaaga cattatgtct catttggttat tgatcgaggc cgtaccctaa tcaataaac 360
attaaaatgc agtaactatg aagtgatcct atgtcgtttc ccaacaagca atga 414

[illegible]

ctgaacttgg	tatcaaagcg	ggtcgatctc	gctctgcctg	cgtatgctg	tcgcccatta	60
tctcttgcca	acatcactgc	cggcagccac	cgccattttt	tccagtgatc	actggatctg	120
gtgtgcctca	ccaagcatgg	cccagcccag	aagggtttcaa	agtcggaaac	cctataaactc	180
accatcatgt	gcgtcatttc	tccgcaactc	tgtcaagcac	atgctgctca	cgcgctggtc	240
tctggttacc	agaactcagg	tgcaacaaca	cagtcagggt	cgtcagcctc	ttcaagtcta	300
gtttcaatct	tcagatcctc	atttcttt				328

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<223>      unsure at all n locations
<400>      25691
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aggacnnagg gacgggtntt tatgtcttcg ctagnacann cnaanannat tagagaaacn	60
ggcgatctgt aaagtcgaac tgcaagcgtg ctagcgatgc tgtttgttta tttatctgaa	120
ggccgccata tgcgtgcgct gtgtagatac aacaccacta tatatgcctc gtgccataaa	180
catttgtttc tacgcataat gggagttggt aatcggaag cgctatagca ggagctgtcg	240
atagtgcctg gtataactcc tcatatgcta ccagaaccgc aggtggataa ccgaatgagt	300
ccagcgccgg gtactatacc aaatgtagac tacgcatggc atatccttga atgaaacgac	360
tgtgatatca cccacccac taactcttgt cggcctttgc gattagcgag ccgtacatga	420
gcaccgaact actatgtagt acgagctgac ccccttcag aaatacgtgc cctagtatcg	480
cactatgtag gcatacaacc ttaaagactg gtgaccaact gatacgagct tg	532

10740

<400> 25692

atcacatggg actagggggc gggggacata gtgacaacaa gcttccatcc acatgcgcgc 60
ataaccaca tgcctgtgac cactccactg agctacgact cccactagac atttctcggt 120
ctctacaccg gtccccatca tacttaagct tccaacatca gcaaacaacg tcaacagcca 180
gctatacacc agcaaacgac aaggcgaaac ttgctaccat caccaaacac agttttcact 240
aaacacgtac attctcatca atcgtagctg gacactcaaa ttctgaagca tatgatagct 300
gattgacgag gaatcta 317

<210> 25693

<211> 338

<212> DNA

<213> Glycine max

<400> 25693

accgacgaaa ggatcaaagt ggtatggaat ttgcaaactc gatcattttg ctttcatgaa 60
tacgacaatt gcggcgcatg ataaggatga caatgatgga gaaacctttg ctatgactgc 120
cattcttaca cgggtcaaatt tcctgtcagc ccaacaatgt cattactcat ccaataacaa 180
tttctctcgc cacatattcc acacatgcc a tccccaatca tccacaaatc ctagccgctg 240
tacatccagt tgcttaacac caaccaataa agaattatga ctccaaagcc tgtaagattc 300
accccaaatt ctagtgttta tgcttacttg ctcttata 338

<210> 25694

<211> 286

<212> DNA

<213> Glycine max

<400> 25694

gcttaaactt cttgttatta caaaaaaagc tgatatgaat cgcaatcaca agtaagatat 60
cctaactaca tgtaagatat aagaatgaaa aatagaaagg ggaaagaaaa gctgggttgc 120
ctcccagtaa gcgttctatt aacgtcacta gctagacaca ttatcctggt atccaagatc 180
caacagatgt tctacttcaa ggaccttctt ctcaggtctc ttttactcca tcacatgcac 240
tttaagacag acatcttggc taggtggatc tttgtcctca tggaac 286

<210> 25695

<211> 521
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25695

agantgggag cagcagcagc gttttgagcc catgagacta ttcgaacnnc cntgaanact 60
 caatcaanca agcactcaga tcaagattca agaagcgaga gaagacgttt tcgtttanag 120
 tatcgaaaag cgttttagata ctgagggcac atggattttt ctcaaacct tttaccaaag 180
 agttgttact ctctggtaat ggaacaccag gagcaaaatt gtgtacgaaa agctgtcaac 240
 tgcatttaca acgtgccaat tgatttcaaa atgttcgaat cgattacaat gttttggtta 300
 ttgattacca atgtgcgtga acattgcaat tcagatccaa atgtgaagac tcacatcctt 360
 tcacaaaaat gctatgtgta atctattaca ctgattgggt attcgactcg cgatgatacc 420
 ttctgaacaa accatataga tccactcttc caattgtgtt tgaactttca actggactaa 480
 agtgttctaa aggcataaat cctcaatggg ctatagccag g 521

<210> 25696
 <211> 132
 <212> DNA
 <213> Glycine max

<400> 25696

tcagaatgct caaaaccaag atgttcaaac acaccaacca cagaatgcac agactcacta 60
 gtaacagaat gctcaagatg gcaaaatgca caaaacgaac agggagagta ggatgcacac 120
 tatgcctaac ta 132

<210> 25697
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25697

gcttgttatt gtttcaagnc gcacccgaca gcggaggtga tgactaaaaa tgcaacagac 60
 ccacttcac catgagtcn ctccttcacg atcactgact tattacaagt ttccatgaat 120
 gactctacat tcatgacccg tttcattatc tgattcaaga cagcatgaat tcaaaattca 180

aggagaaat caagacgact tcataatgga tttatgaacc gatttgtctc taactatcct 240
 atcacatttg tgtctcaaca aagtcctctc agtatattaa gtgccagagt tttaccctg 300
 gtatcgatac atttccttta cttatccatc gcttggttac cccatcctta gtgttttgca 360
 cgctcatctt tttcatatgt aaacctactc tacttgcttc cccaacg 408

<210> 25698
 <211> 319
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25698

gcttggtttt atgttacaga aaaaggtaaa gcatgtgatc agaacttaaa gtaatatggt 60
 aatgatgctt caactctaca aaaccaattt tatgccaaat gcaacaattg gggaatggaa 120
 taaataatat tccttgtag atattggtga atagtggaag taatgacaaa acctaaggct 180
 aaaaaacttc catctcatac tccaattgga aaagaaaacc gcgtttgatg aatgaattaa 240
 gcatctanat ggacttataa ttgccttctt tctttttatc ctccaatac atatataatt 300
 tgaatataca ttatatgca 319

<210> 25699
 <211> 314
 <212> DNA
 <213> Glycine max

<400> 25699

agcttttcgt ttacaaaca gcaaaaaaga atgtttatgc ggataaccac tcgtgtattt 60
 ccgctcatca gcgtgactca aatgtgagta tgacagatct tgtgagcgcg gaagatgacg 120
 taaatctccg cgtgtcaaca ggcttgctcag ccgcgattga cgatatgcgc agaaaactac 180
 gttagtcttt gcgtgctatc atgcttttcg tcttacagac agcaaaaaag aatgttatac 240
 ggataaccac tctggatttc agcccgctctc gtgactcgaa tttatataga cagatcttgt 300
 gggcgcgga gatg 314

<210> 25700
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 25700

gatagcacgc aaagactaac gtcacgtct gttttcttct ttttcgcggc cgacaagcct 60
gttgacacgc ggagatttac gtcactttc gcgctcacia gatctgtcat actgacattt 120
gagtcacgtt gacgggcgga aatacccgag tggttatccg tataaacata cttttttgct 180
gtttgtaaga cgataagcct gatagcacgc acagactacc atcgtattct acgcccttcg 240
tcaatcgcg cccgaaagcc cgggtgacacg cggagattta cgtcatcttc cgcgctcata 300
agatctgtca tactgacatt tgagtcacgc tgacgggcgg aaatacccg atggttatcc 360
gtacaaatat tcttttttg 379

<210> 25701

<211> 417

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25701

acaccggcaa cccacacgaa acgcgaacg acctgcaccc aaacacaaaa aaacaaggcg 60
ggnttgtgct ccctcctcgc cacannaaan nanaaaanga aagaaanaaa aagaaagaga 120
agaanantat tntttaaaan agagagaaaa aggaggggag ggaaagagag gaaagaaang 180
aaggaagaga gaaaaagaaa gaaaggaagg aaaagaaaag aagaaaagag aaaagaagaa 240
aaggaaggaa ggaagaaaga aaagaaaaga aagaaaaagg aggaaaaaag aagaagaaag 300
aagaaagaaa aaaaaaaaaa agaaaaagaa gaaaggaaaa aaaagagaaa gaaaaagaga 360
aaaaagaagg aaagaagaaa aaggagaaga aaagaaaaga agaagagaaa aaaaaac 417

<210> 25702

<211> 278

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25702

agctttttgt ttttaatttac tgagacagtc aaagtgccat tgactgagca natcaccaga 60
tgtaccctga gaggacatag cacatatatg tgaaactaca cttcatcaga gatgtgattg 120
aaactgagaa ggtgaagggtg gagaatgttt caatagaaca acacgcggtt gaattgtaaa 180

ttcttatect tatttatggt tagaccgaca cgggatgtg ttcaaccgac atcggtcggt 60
 gtaaagcccc gactgatatt tttcagccga cattgcacaa tattttttac aaacgctggc 120
 cgataatatt tatttacggt agaggatgct ttttagttcg gtgttgccgt aaaaatttac 180
 aatgtacgtc agctaggtta tttagttcga gctcaaccga agttatggtt cgaccgacag 240
 ctgaatgttt tcattgctca gctacanaaa cattagccca cctcggataa taacttgatt 300
 ctccgatact gatcgaaaaa taatgctagc tgacgtcgac gaggaaagat caacgatcga 360
 agtttaaaaa agaagcatca ccggatgacg ccgatcgaac 400

<210> 25706
 <211> 302
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25706

agaatgtgct tagagcttct attctcaata cgagcgtctc gctatattac ggggtctccat 60
 cggacatccg tggaaaagat tattgacgct tgaatttgca acgagcttac aatttcaatg 120
 tcgagcgtct cgatatatta cgggactcaa tcggacatcc gagtaaaaaa ttattgtcgt 180
 ctgatttgct acgagcttcc gttttcattt ggagcgctc aatatattac gggactctat 240
 tggacattcg agtaanaagt tattggcgtg tgaatatgct cagaagctca ttctcaattt 300
 cg 302

<210> 25707
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25707

caagcttgga gtttcttagt gccaatcgt cttcttcttt agtcagctt tcttctggct 60
 tcaattcttc agtgggcttt cttctgtgt ccagcatctt gggatgttcc cagccttga 120
 tgacagcttt ccagggtctg ctatccagt atttgaggaa ggccaccatt cttgctttcc 180
 aatattcata gntgcttcca ttcgagaatg gtggtctggt cactggctcg ctttctttct 240
 ccatgttcat cagaatntat ctccctagat ctactctgt gatttcgagt gttggctctg 300

ataccaattg aaattctgat accaagggac agatgtcgta ccgcatgtca cgacatcacg 360
 cttcagaaca tgcagattgt atgtgtccgt ntgaaccagt ataacaagta aataacacaa 420
 gagaattggt 430

<210> 25708
 <211> 310
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25708

agcttacttt tttntctct tctctataaa gaagcggant aaccaggccc tttagtcctt 60
 tttagctagt tatccaaggg atttggttac agtacaaggc aacttaccct gttggaatgt 120
 ttattactac taatatagtg tagcggcatc tcatttctca aggtattggt ggttctagat 180
 catctagaat tataatgagc attggacttt gatatctggt gagtcatatt tatgaacgtg 240
 tctaaatgta ttatgtatgt acatgctcat tatttgctct tatgctttga ttacttgtga 300
 tgcantccta 310

<210> 25709
 <211> 319
 <212> DNA
 <213> Glycine max
 <400> 25709

taagtcaata tcttttatct gtcttattca tgcacatgcc tatattctga tcaatgaatc 60
 atcttaggta ctataacata actattctgt atacggctct ttgtattgct aatgctatat 120
 atgctacatc atattttgat aaataaatac ttttaggtag tataagatca tagtttgaat 180
 cgtaatgtta tatggacatt agatttaagt tatatgataa attacgaata cttttacata 240
 ctctaagggt taattttata tggtagatta agaatatctt taattttgat atgatacata 300
 agcctacttg aaatttctt 319

<210> 25710
 <211> 408
 <212> DNA
 <213> Glycine max
 <223> unsure at all.n locations

<400> 25710

ggcgacgact gtgctatcct tgccatgatg aaaggcgagg aaagcgtcaa tcgctgctag 60
gtccactaac ccttccatat ttggaaagag gacaactcca aagatcaaaa gtgccaagat 120
gtcaataaaa gaagcccatt cgccttgatt tgtcaaggtc tttgcccttt cctccaaaca 180
cttcattggg actccgacta cccattcct gttttgcttt acatgggtcca actcttgtgc 240
tgagattntc actaccttgg caactcttgt catggaggga tagaaccag aggaaagata 300
tggttcctt cctcccagtg ggcattccag aatttcttca aactcttcca ccatgggtga 360
tagctggaag tccanaggt gaagcacttc aacgggctga tcaaatac 408

<210> 25711

<211> 430

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25711

tagaaagatc taatttctca acactttgtt actttaagaa caaaaactat agtccgagtg 60
attccatttg tagatgataa caaattgcac agtgtgcaaa attcaacaa atcttattaa 120
tctatttaga gccaacattg gcttggtagg acaaagaata gtggatttaa gtcaagcttg 180
tggtagagct tgcaagagta agattaagaa gtggcaatga aaatacttgt tactttgtta 240
agttattgga aactcgggtg gttaccaaga acgagatgtg gtctcgggtt taggatgaac 300
caacataatt ctttgtgtgc cttgctctat tattttaact gacaaatgat ttgaatntgt 360
ctttgatct tatatgtagt ttagtttaca aagaacacta tttttctcgt catctgatat 420
agtatgatct 430

<210> 25712

<211> 342

<212> DNA

<213> Glycine max

<400> 25712

agcttcaaca ttgtatttcg agcgtctcga tatattacgg gctcaatca gacatccgag 60
taaaaagtta ttgttgtttg aatttgctca gagcttcaac attcaattcc gagcgtctcg 120
atatatgacg ggactcaatc agacatccga gtaaaaagtc gttgtcgttt gaattggctc 180

agagcttcaa cattcaattt cgagcgtctc gatatgtgac gagagtcaat cagacatcca 240
 agtaaaaagt tattgtcgtt tgaatgggct cagagcttca acattcaatt tcgagcatct 300
 cgatatgtga cggggctgaa tcagacattc gagtaaaaag tt 342

<210> 25713
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25713

gagccaattc anatgacaat gactntntac tcggatgtct gattgatgcc cgtaatatat 60
 cgagacgctc gaaattgaat gtggaagctc tgagccattt caaacgacaa taacttttta 120
 ctcgatgtc taattgacgc ccgtaatata tcgacacgct cgaaattgaa tgttgaagct 180
 ctgaggaaat tcaaacgaca ataacttttt actcgatgt ctgattgagt cctgtcatat 240
 atcgagacgc ttgaaattga atgtggaagc tctgagccaa ttcaaacgac aataactttt 300
 tactcgaatg tctgattgag tcttgaata taacgagacg ctcgaaattg aatgttgaac 360
 ctctgagcaa attcaaacga acaataactt ttactcgat gtttgattga gactcataat 420
 atatcgag 428

<210> 25714
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25714

naagctacat atttgtctgt tggaagaaag ccatggatgc tgagagtaca gctcttgaag 60
 taaataaaac ttggactgct gaggatcttc catgtggaaa ggttccaatt agttgcaaat 120
 gggatatataa aatcaagtat catgccaatg gcacaaatag aaatgtacaa cgccaggctt 180
 gtggccaaag gttacactca gatggagggt gtatactact ttgacacttt tccccctata 240
 gccaaagtga ctacagttcg tgtgttacta actgtcgtcg ctgataagag tcggcatctt 300
 gacaacttga tgcacaatg ctgtcttgca tggaacttga atatgaagtt atatgctctt 360
 ctctgggtat gatcttctac tcttcagtat cgaattaaca ttccttattg ggtgaccaac 420

taccgtcatg

430

<210> 25715
<211> 161
<212> DNA
<213> Glycine max

<400> 25715

aatccatcaa ttcatcactc tatatatgcg acttcggact ttgctattag atatcactat 60
ttatctatta tacttgcaag aagaagggtgt taacatacat atgtacatat tgacgaagag 120
actcaatgat gcaatcctac cccctcccc aaggacattg g 161

<210> 25716
<211> 266
<212> DNA
<213> Glycine max

<400> 25716

cacaccaagc acggccacag acacaaagca cgtacaaacc caccatcacc tattggccac 60
ctacaataga gctcacgtac gccacgtag cccatatccg cgtgggtcac gacagcgaga 120
gcccagcaat cctcccaagc aaccacaaca gccagggaat ccaacatgcg aatcagcaca 180
agccacaaac ccagcaaaac agggcaaagc cagacaacgc tgccgcaaac tcaaaccaaa 240
ataagagctt agctcaccaa agacccc 266

<210> 25717
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25717

gacacataaa actcagctgc ttgggagctt tatggagctg gacttttttc tttttgatgc 60
cttcaagggtg attgtcccca tggagatgca gtagaagaca aaggataaga ggtgagagga 120
ggcgccatcc actaaggaac aagccatgga agaaggagct tcgccatcaa gagagtgcct 180
tggataaaaa gcttggaaaag ggtgcttcaa tggaggaaaa gaaagagaga gagatagaga 240
gagggggggag cacgatattg aaggaagaac agaggaagaa nagttgaact ttgagttgtg 300

tctcacaaga ctctcattca tcaaagttac cacaagtgtt acacatactt ctatttatag 360
 cctaagtagc ttccttgaga aact 384

<210> 25718
 <211> 317
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25718

agcttttaaat gatctttgtc atgcagccga tgagagaaat aggctgtag tcatttaacg 60
 attgaggatg atttgattta nggatcaggg ccatgaacga agcattgctg cctctatgaa 120
 agcttccatg gcagtggaac tcatccacaa atctcctgaa tttacgtctc agaatcttcc 180
 aaaaagcctt aataaagttg aaattaatac catcgggacc tcggcatcta tcaccaccac 240
 aactccaaac agcatcttta atctctcgat cagataaagg cgcaatgagt ccctctctct 300
 gattctgatac aatggag 317

<210> 25719
 <211> 449
 <212> DNA
 <213> Glycine max
 <400> 25719

agcttgtgaa ttatgggtggt tctacaatca ttaacaagtt cttaaaccat aaagattagt 60
 atagttagtg gctggcagtc atatctaatac taatgataga accgacaata cgtgacccat 120
 gtgtatgaaa gaatgagtac ataattagaa ggctaataat gccacatttc aatatgaaga 180
 ttgaacatga agaggcattg tgcttctaatac tggaaatcct ctatatcatg actaaaaagt 240
 aaagtgaac acactcctca cacatcacat gcagcttcac caagaatcct taatcactgt 300
 cctgaccaca ctctttgctc ctatgtcact acgacattgt cattacattt gagaagatct 360
 ctataaaata cctagatgat caattttgga atatataac ggcactatat aggagtaatc 420
 acttttattc gaatcgcggtt cttatgtgt 449

<210> 25720
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 25720

agcttggtct ttatttatcg tgattgntgc tgnecatgct gatgtcgctc ctcttttacc 60
ctcactccaa ctctggcaac aacaccagtt tcaacgtcac ctcatgttg atttgatcaa 120
cgactactgg ccaacctctc gctattcatg atgcacagag attcagtgac tcatggaggc 180
ttatatgtgg atacactggt gtgttcaatg gattgactgg actttctatg ggcgtttctt 240
tactttcttt gctgagcag tcccacttat actcattcaa ttatatttat tggacgctaa 300
acctgaaaac tgaggtagaa aaaccaagtt gaacatagct tcaacttggg aacctaagat 360
ttagctttcg ttttcattct tttatcatgt cgctgatcat attgagctat gctattagta 420
aaa 423

<210> 25721
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25721

ggatatagtg gagagtagac ttactttttc aggttttgtg gtaatcaatt gtcttcctca 60
tataatcttt gagttaattc tagaattctt tatcttcatt gatgctaaat gttggtatgg 120
tgctattctc aggtatttaa ttgtcccata agatcagatt cagccactgt tntatctgaa 180
ttgacagaat cctcacatga cttagtaagt gcagcattca aattagcttc tcttacaaga 240
aaacagaagt gctttcctta ttgtaatttt tttttctta gatccaatga aaacatcagc 300
ctttatgatt tatgaggaaa tgagctgaat atagcttctt tcattctac 349

<210> 25722
<211> 282
<212> DNA
<213> Glycine max

<400> 25722

agcttttgat taatttatat ggtcataaat agtcactcgg aggtccgatt catgcacata 60
atttatcgag acgctctaaa ttgaacaacg gaagctctca gaaaatttaa atgctcataa 120
cttttaactc ggagggtccga ttcacgcgga tgatatatcg agacgctcca atttgaacaa 180

tggaagcttt tgaacaattc aaatgggtcat atattgtcac tcggaggccc gaaactagcg 240
cataatatct cgagacgctc aaagagaaca aacggaagct ct 282

<210> 25723
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25723

ttacagcaga tattagtaat gaccactaa cctataataa attaacttaa tgccatttac 60
ctanggaatg gaganaaaac ttaatggctg agtgtaactg aaattgtggc aaccaaagt 120
caccaccaac agccaacttc agccaccatt tggctctcca aaaggctgat gcctagagt 180
ccaattggac ccttattaca acttgaacta aacctaacta aagccctttt aattgattaa 240
ccanaacaa tattttggtc aaccaacttt acaaggattg agccattatt tagacaaatt 300
aaacactcta aaaattgaga caaagtgggtg tcatttagtc ctccctcatt tggccatgat 360
acactcacac cttggacttt cttggcttct tgcttaccct tgc 403

<210> 25724
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25724

ttcttatagt tttttcaacc tgacacaaga gaaattctaa taagtaggga tgtaagcttc 60
atggagaatg agaagtggag ttggaacgat gaaaaaaaaat cagcaaactg atgatttgaa 120
tcaagaaggg ttagttgatc attctcctgt tcgcaacact agattaattg ctgacatata 180
tcagaggtgc aatgttgcta tgcttgaacc agcaggatat cangaagcag anaaagatcc 240
taaattggaag gatgctatgt agaaagagct cgctagatcg aaaaanatca gaccgggaa 300
ttagttgaaa gacctcaaca tcagaagggtg aatgcagatg cctcaattaa caaatataaa 360
gcaagggttag tggtnaaagg ggtatgttca agttttggag tagatttatt tgata 415

<210> 25725
<211> 427

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25725

tcgtgaccag cgatgtttcg gttatgtgca cgaaggagag atagaagaca gtgaatggng 60
atgacattng gtgggccttg gcaacactaa gctttgatga ctatgctgaa ccaatgagaa 120
gggtacttgca tagatataaa gaggttgagg tagaccataa taataaggtc aatcttcaag 180
atagagagaa taatagtctt gaagagaacg acgatgaagt atttcaattg agtaatagag 240
gggttaaggt ttgatgacca attattatgc ttagtgtgaa gtagtaatta attaaggctt 300
gtttanggtt gacattactt ttcttgata cttttcttgt ctaaattgaa ttgattgagc 360
ctgcctagaa caagaattct tggtttgctt tctttcttct tctttcttct ctntatactt 420
atatact 427

<210> 25726
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25726

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atttaactgt ctttgggctt ggcggccacg ctcaacaaag tactttcgac acctactata 120
cgttgatttc accaatgctg ttatgggaat gtagtgacaa tcctttaaaa ccttattgat 180
acattctgag aggttcgatg tcatgtggcc atatcgacgt ccttctctat cgtaagccat 240
cgtccatttt tcctttgaga tgcgatcaat ccatgttgct atagctggac tcaattcaca 300
aaatgtttct atattttgat aataaatgtg cttgcatgga gtggaggctg cataaattac 360
gcatgaataa caattttatg ttaattaaag taaataacgt g 401

<210> 25727
<211> 294
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25727

gagctcacag tacatcccat gtgagcccat atcnctcgta ttctctcaac aaccgggtcc 60
 ccatcaatcc tcccaagctt ccccaacatc caggtaattc aacattcaaa cagcacaac 120
 taccacagcc aagaaaacag ggcaaaggca gataactctg ccanaacac caacaaaat 180
 cacagctntt tctcacttaa agaccaata acatttctt tgttccaatt cgttcaccgt 240
 tggatcgact cgaacattnt actggaagtc tctagtacat aagcctacat ttg 294

<210> 25728
 <211> 299
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25728

gaagatgatg aatgggaaac acgggggccg aacaataaat ctgctgttac caagactcaa 60
 agctttcttc catcagaatt aagtgttatt tttggaggac aacttagaag tttggtgaga 120
 gcctaaggta caaaacaact ctataatata ttagtgaagg gattcttttt gttttaaatg 180
 tcaacttcat taagatnttg ggaaaattca attggaccag ctgttgcttc ctgctgatat 240
 tccttcaaag aaaaaatgaa catgtacata aatgatgtat tatataaac aaacattat 299

<210> 25729
 <211> 360
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25729

agcttgcccta tttatcctat tattgagaga anatgggtat gaaacacaca aaatggaagt 60
 actaagtatt tattacctat acttaacaga aaatacttat aacactacaa aataaccata 120
 aattgaaaga gtttgataca atntatacaa gttttataca caaaagttag tcgtattcat 180
 cgactaacia gggtgtgttg tatgtctttg gtacccgaga tgatgttttg ctatgggctc 240
 gaacggttgc ccatgaaaac ggattagttg taatcattat gaggtctgac acacatactg 300
 gtagtagagg aagaacttca tttgtgttaa ttggctgtga aaggagtggc cagtataagt 360

<210> 25730
 <211> 350
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25730

tctagagagt tctagagaga gaaaggtcca agtttcatag atttttagag atnccgncgt 60
ttgaagagct ggagagatca gagcttgaag atgaagccgt tctgagagct tgagatgagt 120
ttgtgagtga ttgtgacgtc ttaaagatgg aggaggcatc cccactactt gtatttcttg 180
aatctttcat ctttctcttc tctttgttgt aaaggaaatt ttctaattat ggaaagctaa 240
atcctctatt ggatcttcct tgtaggtaca tgatgtaa atcttcttat ctatataatg 300
atggtttggg tgttctcagt gctttcagat ttcactctan tatgctttac 350

<210> 25731

<211> 358

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25731

agcttgccgt ttatttcgtt caggcgagct cagctcgccc aggcgagcca ggtttcttcc 60
tccagaagca acagctntct ggaggaatct tttggagggc ccaagtgggc cttggtgcta 120
tttacacccc catttttact aaatgcaccc cttttctat ttttttgtaa ttctttttcc 180
gtaacgttac gaaactttac gaatttcgta acgatactta ttttttcttc cgcaaggtta 240
cgaaccctta cgaattatgt attttctctt ttttagcttt cgaagaagtt acggaaaactt 300
acggattggc aaaaacacct cttttcgact tccgcacatt acngaatttc acggatcg 358

<210> 25732

<211> 308

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25732

taaatagagg gagtgatatt tctnccctt tatcttattt caaactntct ttcttctctg 60
gtcaaagatt tttctcctaa aaaaatacaa aatggagtgc tcaatgataa ccctgtcgag 120
ttattcctag gttcatggca aagtcaaac ctattccact agtttctgta cttacatgtc 180
gatcatctat ttccttgaag gtgtcacatt ttgccatgat gatcgccag gagtgatgtt 240

ttttgagtcg cgtctcgcta gtgagcacgt ctttatgtgt gcctatccta tagagacaac 300
gttcatgt 308

<210> 25733
<211> 298
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25733

agcttcttga ttgntatgtg tggaccctca agtgcaatcc tccgttctcc acttatttcg 60
gaaccccatg aatgtcattg cctagcgcta ttcattgtgc ctccaccttc gagtctggag 120
ccccacgaat gtcattgcct agcactgttc gctaattctc cattcttcac ttttattcgg 180
agccccatga atgtcattgc ctagcgctgt tcatgtgtcc tccaccttca agtttggagc 240
tatgcttcat tattgcctaa gtgtggaccc tctagtgcaa tctccattc ttcacttt 298

<210> 25734
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25734

tgatcttgta ggccactgcc cctgatgtca gctccattgg ttcttggtta cctaggatct 60
tctccatcaa tggattcctt tgctttttgg aagatgaatg acaacgtaat ggagaagcaa 120
gagagagagg agacgccact tcaaggaaaa gtgagtctag aagaagctca ccaccataag 180
aggccatgga taagagctta gaggaagaag gagatgaatg aaggagagg aagagaagag 240
cacgaaattt tgtgctctaa aagagctctg aaatctgaag ttaatatctc aaatgatcaa 300
agttgaaaaa aatgcacaca catgacctct atttatagcc taagtgtcac acaaaattgg 360
agggaaattt gatntcaatt caaattcact tgaatttgaa ttgaantgtg gagccaactt 420
tggaccaaatt ttactaatat 440

<210> 25735
<211> 268
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25735

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agctngagtt tctttttgct gccccataaa gccnctcgaa gactggtgtc gacctattc   60
ttctttttccg gccctcttcg tttctcattc taatgcttcc gctgaggcca tgttgatgtc  120
cctcagctca tcacactctt tcctaaccct gatggctatc gtcttgaact tttccttgac   180
cactcacgtt ctttcaagta ctgctttcaa ggctagcaca tcctcgctct gctcagggac   240
tttagcctct tccccacttg aaatcttt                                     268

```

<210> 25736
<211> 439
<212> DNA
<213> Glycine max

<400> 25736

```

agcttttatt ttttcggctg cagcgtgctt tatattatcg atgcttagtt cttagggaaa   60
tttcatagaa ctctgatgat taatttaaga aaaatcttta taatttttta aataatagtc  120
tggctcttgaa tcttggtagc ggaatattct ttcatgcgta tcttctttac acaaataatt  180
tcaaatgagt attctcttaa attctctttg caaattcaat aatgcaaccc attagacgaa  240
catggaatat gtaagatcta ctaacaaaaa tgagtattaa aaaaaaaact acatcgattc  300
caacaaaacc attatagaga atcaaatctc tatgacgggtt tccaggaaaa ctgacataca  360
agtacacata aaaaggatgt tattgtaaaa tgcacatatt cctaacaatt tataatctca  420
tggaagcata ccacttcta                                             439

```

<210> 25737
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25737

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acacaagaaa ctcagcttat agactacgag atataagctn tttataagct tctttttttt   60
nnnnngaaag gacgagatta taagctaaat atactcaaat ccagttcctg ttgtataaat  120
caatccgatt aatcagttga aaacaaaaat agactatgag atgagcgtgt ctcatlgatt  180
taatctcccc cctccctccc ccagttaca ctaatctaaa aaattacacg cataatcctt  240

```

gttttttata ttacttttac acatatatac agcagttgtt ttttctataa taaaaaaaaa 300
 ctacacattc ctcccttaca aattatacac acaataccct gaaaaaataa tggtattatg 360
 ctaagtataa ttntntaatc aaagagtgc agtacaatta ataccattat gctaactctg 420
 taacagatca gtgaattatc tccat 445

<210> 25738
 <211> 250
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25738

gacccgggat cttaagtcga cctgaggctg caactttagt antttcttca ttggaatctc 60
 taggtggggg ctgcctacct tggtctctccc tgcaaactca tgctctgctt tgccataaga 120
 caagatcctt tcagagctaa aaagttgaag aatgtaacca ccccttttaa cactgaaatt 180
 gcaacatcca acttagtgaa ctttatctca ttaaaaatat cttccgatta tactgttata 240
 aattgacaaa 250

<210> 25739
 <211> 333
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25739

agcttttact ttttatntcg agctttncga tatatgacgg gactcaatcg gacatccgag 60
 taacaagtta ttgtagtttg aattagctca cggcttcggt attccatttc gagcgtctcg 120
 atatattact ggactcaatc ggacatcaga gtaaaaagtt attggcggtt gaatttgctc 180
 agagcttcga gattccattt cgagcatctc gatatatgac gggactcaat cagacatccg 240
 agtnaaaagt taatgtagtt caaatttgct cagggcttcg gaattccatt ccagagcgtc 300
 tcgatgtctt acgggactca atcagacatc cga 333

<210> 25740
 <211> 281
 <212> DNA
 <213> Glycine max

<400> 25740

ttgagcaaat gcacacgaca ataactcttt actatgatgt ttgattgagt cctgcaatat 60
atcgggacgc tcgaaatgga ataccgaagc tctgaacaaa tttaagcgac gataaccgtt 120
ttactcggat gtctgattgg gacccgtaat atatcaagat gctagaaatc gaatagggaa 180
gcgttgatca aattcaaaca gacaaggact ttttactcgg atgtgcaatt gagactcgca 240
aatattcgag acgctcgaaa tggaatattg aacctctgag c 281

<210> 25741

<211> 448

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25741

agctttagt tgatgcttca atggaggana agaaagagg agagaaagag agatggggga 60
gcacgaaatt gaaggaagaa aaaggagag aagttgaact ttgagttgtg tctcacaaga 120
ctctcattca tcaaagttac aacaagtgtt acacatgctt ctatttatag actaggtagc 180
ttccttgaga agctttcttg agaaaacttc cttgagaagc ttctttgaga aaacttcctt 240
gagaagctag agcttagcta cacacacccc tctcataact aagctcacct ncttgagaag 300
cttccttaag aagattccta aagaagctag agcttagcta cacatacctc tcttatagct 360
aagctcacct tcttgagatg agaagctaga acttagctgc acaccncta taatagctaa 420
gctcaccnc atgacaaann aaaacatg 448

<210> 25742

<211> 200

<212> DNA

<213> Glycine max

<400> 25742

agatgaaccc atttcgggtt atccattggc accatgttat cgcgggacca tccatataca 60
aagaagctac ggtgatcctc ttgaggaccg gtcagcctta ggagtcaaag aatcggctga 120
atttgaaaat ccagcccact ggatcttgcc catcgaaacg gagagcgtca agcttcatat 180
gtggtatggg agtgggtggc 200

<210> 25743
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25743

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 atatctaagt tatttgtttg tttttccctt ttattgcctt agtaccatcc ttttgcatta 120
 tctcatattt tttttttggt ccttcattct gtatcagatt tgaccatgac tggaaaaaga 180
 ttgaagcatt tgttgatca aagacaatca tccaagtaat ttcaaagca agttgtgact 240
 ggatatttac attagctgtt gtttctgggt tgtagccat aaatggtatg gattgaatta 300
 ggcatgtnta tagttttgaa gtgtgtttga ttatgttaca ttaanggatt tggcactttc 360
 caaataaaga atcgggtatt ggacatgaaa t 391

<210> 25744
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25744

ttctttatga tttagatggc ctacagcaat tccttatttc cagaaaggaa ttctatcaat 60
 agacctcaa tctttaatgg agagggttac cactactgga aaacccaaat gcaaattttt 120
 atcgaggcaa tagatctaaa tatctgggaa gccatagaaa tagggcetta tatacccacc 180
 acagtagaaa gagtttcaat agatggtagt tcatcaagtg aaagcataac catagaanaa 240
 cctagagata gatggtctga agaggataga tnacgagtac aatacaactt aaaagccaaa 300
 aacataataa catctgccct angaatggat gaatatttca nggtttcaaa attgtaagag 360
 tgctaangaa atgtgggaca ctcttcgata acacatgaan gaactcagat gttaaagatc 420
 tangataatg cactaactca tg 442

<210> 25745
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 25745

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gtcaaggtct gagagaccat acaagtttcc taacgatttc taattatgtg ggccattaag 120
tctatcatat gctgacaata gccgagaagc ccatgaatct cttcgggggt ggagtaagtg 180
tctgccattg ccttggcctt ggctaacaag cggagaagtt cttgactccc gttcaaagta 240
agagcaaacc ggtccatcca catgggtgcc tcttggtgta aagagtcgat cacccttcct 300
ctagcctctt tttccgcata tacttgagca tactcatccg cgaatctatg ctcgtgggccc 360
atggctagac ctaactcttc ttggtacttg gcgatgatag ctagcatggt ggtctccgtc 420
tcgcataaat gc 432

<210> 25746
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25746

ttcttatgct tatttcagcc tatcgccctt agactaatgg ctagattgaa cggaccattc 60
agtcgctgga ggaccgtttg agggcatgtg tcttagaaca aaagaggagt tgggagagtt 120
aaagactact caaagtaggc agaaaaacta tcaggctgct caagaataac tgagaaggtc 180
aagttaatcc aagaaaggct aaagactgct caaagtaggc agaatagcta tcaggacaag 240
aggaggaaag acctgaaatt tgagattggt gatcatgtat tcttgagagt cattccattg 300
attgggttgg tcaaacattg aaatcccaaa nactcatacc tcagttttatc aacccttttc 360
anattctcaa atgagtcagt cctacggcat accaaaatgc attacctctg tctctttaca 420
atcttgacaa tatctatcat gt 442

<210> 25747
<211> 302
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25747

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gcctcttgaa gaaactnttc taacttagaa acttttcttc acactaatca tgatgatgca 120
 tgatgcaata caaatatcaa atgtactaag atgcaacaac caagataaca accaatataa 180
 atgccactca agggatttag gcatgtaaaa gtgaaaactt cttcaagctt ttctttgagc 240
 ttcaagctgt agcctntaggt ttgttcacca tgttgctcct tctatctcta aactgcaact 300
 cc 302

<210> 25748
 <211> 462
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25748

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 acgttcgatt ctcaactcgat tcttcaccaa atcacgtccc gtaaagccca atcttcctct 120
 ttttcaactcc tctttcaactt ccaccgatca aaatccagaa aaacttcatac aaatggcaga 180
 gccatcaaag aagagaaagg gatcatcttc caccgccacc gctgctgccc atcgccgtca 240
 cggcccatcc ggagcaccca cagcacctat tcttccttct ttgtcatctc caagatcatc 300
 aacattgttt tcatccgatg atcaacgtct acggtacctt tctcaagttt cttctagaat 360
 aatcttagac cctaagtacc tagacgtaga gttctttaat gatgatacgt ntgattgcta 420
 tcaagtgggt caaaattctg ggctggtaga ttcatgtcat tt 462

<210> 25749
 <211> 375
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25749

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 tatcatttat gattaaatgc gtgtaatgta cttatccac tcttgtaaat taatataaat 120
 taaaatatgc aagagacttc caagatttat acttttcttg aactttcgct tcaactataga 180
 aatgtacgcy aattcttgac caaacaatt aataattaca actttcatgg tattaagctt 240
 acacaatcta atcgatatcc tattcatagt cataaaaaga tgattattaa atgattaaat 300

taatactgag tatgacttag agtgaactgt actcagtcaa tactttgata ataagtatta 360
caagaaattt gaata 375

<210> 25750
<211> 446
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25750

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accactgctc ttccttcccg cgatgcttct gttcatatcc gcttgagtgg gcttatagcc 120
tataccatac ttcccacgat ttcctttggc gtttatcacg ctagttatgc cgccattgtc 180
tttgctaaa cccattccgg gtgtggaacc gttccacaac ataactcggg ccatcattac 240
tgctgcatcg gacagacaag gctgcccaga gaaagagtcc acggaggaaa tgctgaccac 300
ctcanaagac tggaagcga gttctaacga ttcttctgcg gcttctacat aaagcataga 360
ggatgggcag ctcaccaaga tgtctatctc gctgacacg atgaccaa at gccctccac 420
tacgaatttc atacttttgg tggagt 446

<210> 25751
<211> 413
<212> DNA
<213> Glycine max
<400> 25751

tttgatgatg acggtgatga ttacaaatga tgacgaccaa cgtgatgacc aaaagctcaa 60
agatcaatct aagaacagct catgtaa atc atagatcaat catgaacaat tcgagatgtc 120
aagataagaa tcaagaagaa ttctgactc aagacaaaag tctgaagaca agaataaga 180
ttcaagggtc acgatctcaa gaatcaagat cacgattcga gactcaagat tctagaatga 240
agagaagact caatcaacat aagtctta at aaagtcttca aaactttgac tagtacatga 300
ggttctaaaa aaccttttac caagactttt actctctggg atcgacacca gagtgttgat 360
tcgataccat tagcatactt gtttgaataa gttgcaatgc gattcacacg tcg 413

<210> 25752

<211> 315
 <212> DNA
 <213> Glycine max

<400> 25752
 cagcacactc acacacacaa aatttcacaa ttctaggggc tccctccttt taacccatgt 60
 actgctgctc ccagtgagcc atttccccctt cacctgattt gcatgttatc tactctaatt 120
 gctatccatc ataaaagcca ttacgacgca tccaaaaccg cttcttatcc taacaagtta 180
 aacaaacgaa acattcccat gttcctttct cttcttacca aactaactac ggcaacacat 240
 cagcacatac atttatttaa acacagcaaa aaccactctc acacaaaata tcattaacac 300
 ccaacaaggg aagca 315

<210> 25753
 <211> 319
 <212> DNA
 <213> Glycine max

<400> 25753
 ttattttata tccaatatat cctctaaatt attatattaa aaatttatat attattaatc 60
 aaagagattt gaacattaat caaataagtt aatttaaaat atagaattgt ctttaattgga 120
 ataaataaga acaaaattga tttaaacgaa aaacttatct caaatacgtg aatgttatta 180
 ttgaaacttt aaatattatt taatatttga aaataatttt atcaattaat ggtaaacaat 240
 gattcgagaa tgtaatatgt acttattata cttcattctt ataagtgggtg attacatgat 300
 ttaaaatatg aggttatcc 319

<210> 25754
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25754

agccttcaca ttataaaaa agaattaagg tatcgctggtt tatcggaataa gnctctttat 60
 atgcggaat tatgttacgt gatattctta ttaattattt cagttattta ttacatcaat 120
 aagaataatg cgatatttct attgtaataa aaagattaaa ttcaaaaaat taagactcac 180
 acttccttaa taagaaaatt tttgtgaaaa acttataaaa aatcattttc aaaaaatatt 240

atctatcacg agatttattt ttttagaacg aatattacac atgataaagg ataattttga 300
 acccaagatt tgcaagagat tcanaatttc tcgccccatc aatcacctcc taaagggtta 360
 acatgtactt atacatatat ttaagaaaat aatcaatcat ctctaaagg ttaaacaatgt 420
 attatacat atatgttaat attatctttt atta 454

<210> 25755
 <211> 271
 <212> DNA
 <213> Glycine max

<400> 25755
 tttcttgatt ttatgggagc ccaaccctcc attcaattgt cttgtctctt cgatcatcta 60
 catcactaac cccaaaagaa ggtaatgaaa cagtaactaa cgcaacattt ttctacgaag 120
 cgttgcatta agatccaatt tacaacgact tcagtagtac tgctcgctca agttagagaa 180
 tgaaagacat tggaactcca ctctaaagca tttaaagctta taccaacgaa tttatagtaa 240
 tattcggcat tgctaaaggg gaatatgata a 271

<210> 25756
 <211> 289
 <212> DNA
 <213> Glycine max

<400> 25756
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 atgagacatg gtgccaaaca aagtcagggt aacgataact cgctgtgct ttttcttcca 120
 tgctatatgt agcaaagtca ttgatctagt catgtttgat gagttggaaa atgaggccgc 180
 aattatactg tgccagacgg agatgtagtc tccccctgcy ttctatgaca tcatgattca 240
 cttgattgcy catctggaca gagaatcaca tgttgtggtc ctgtttatc 289

<210> 25757
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25757

agcttcttgt tcatgaaaaa catggctact cttgngtttg tacacaccaa gtaagaaaca 60
 tcattctgcc tcaacatcat tctgaaatgt ttggcttttg tatttaatta attaagcaaa 120
 ggaggattct tgaaaagaca agcccagcca agacctggag gtaactagtg aataagaact 180
 gacaaatggt taacttgttt ggcttgatta gctgcttgct actagcaaca taccatcttg 240
 gctggacttt ntttcttcta taaatnntcc ttcagatata ctttanaatt aaggtctctg 300
 tcacctacca tgtgtcactg atngtttgaa aatatataag aaaatcaaga accanagatg 360
 aaggggctaaa ggcaaaaagta aaatgaattg taaaagatgc tagtat 406

<210> 25758
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25758

tanataaagt agtaggggtg acaatcaagc ttatatggtt ttagtcacta ctttgngaatt 60
 acatttaaaa tgcataaggt aaagagaggg ggtaaagaat gaggcaagca ctagaaggag 120
 gaaaataagg tagtatcaaa caatagatcc tacattgtta aataattctt ttgacaaatt 180
 aattactacc ttattatattt atttttatgg acgaaccatt aaaacttagt tngcaccatc 240
 ttctaactcc atcctttata atattttggt gtcttcttca agtggcggtg tgtntgagac 300
 tgtttgaaaa ctatntctta tcatgtttcc ttaacatgat tgaagtttcc taaagttctt 360
 aaagttaatt cgcccaactg tatntttcta cctagcctaa agaaccactc taatnnttct 420
 tcttttgtct tataaatgtc ccac 444

<210> 25759
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25759

agcttcaact tanagttcat accttgntgg tcttcattga tggcattctt acaatccaag 60
 ctttagatag ccttttcata gcttcttgga tcatcatcat catgataaac ctcatttgat 120
 gtgtcatcta ggaccatcaa gtttaattcta tcagggtgcac gatgcgctca agtagatctt 180

ctagaagggt catgcattgg gttcataagt tgctaaattg gctctaagat tgggttcatta 240
 acctaattctt gaactatagc tggctcttga accacaattg ttggagggtga tgacctttgt 300
 ggtaactnta gaacattaaa gaaagggtatc tcagttttcca tctcatagtc ctgagttggt 360
 tcattgggtta attgagtctc atcaagctca acttttttac catgacttcc tcttgcnagg 420
 aatacccttt ctaaaaatag atcctc 446

<210> 25760
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25760

agcttttgat ttttgttga agaacctaac atggaatgta tggtcaccca cataagtaaa 60
 cattatctcc ctttctactgt aaatatcatt tagtcttcta aatttaggct aacctttgta 120
 gatgagaatt gaatctttat catattcaag cactttgacc attaatacc tcccttgctt 180
 atcaatcaac tcttagtcta taaaaacttc attcttaaatt gttatccaaa actttggaca 240
 aacaaagaga gagacctatt tcattgacat tggaaagtat gttcaaacat cgatatatca 300
 aanatgtcat ttacatagta atgtattttg tatagggttt tgaacaatgt atacaattct 360
 ttgaaaaaca taaataacaa gtacagaaac aactcaagag actattcaca ttcattgataa 420
 gcatttgagt aactaaatta ta 442

<210> 25761
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 25761

tgcattcatg aacctaacaa acaatactta tgcatatctt cagtcctgct ccaatgaata 60
 aatcggtata agtaaaacat gtatgtttat tctaactcac cccatcttgg agcttgcctt 120
 ctacagcagt ggcacaaaaa agaattagggt tcttctcaat cttatctgat acttctctaa 180
 tcattatctc ctgacagca ctgactacat tcttggccct agagaattta ctatcaaact 240
 ccttgatttc ttctgcatca agttcacgat aggccagat aaagggttctc agaccgcgat 300
 cagcactctc atgcacatgc tccatgggtt tctcttcaaa ctccctctta ttcttggcaa 360

gcctttcaaa cat

373

<210> 25762
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25762

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ggacaataaa cactgagaat gtttctcact atattaatgc ttatccctat gataatatta 120
tttattcaga gaaagaatgt tcaacttgca aaattccaaa gtgagtttgc tactattgca 180
gaattntgtt gaaatattgg ttaaactctat ttataaaact gtcttaattt ttttatgcag 240
acctgctagg tcaaaacact gcagcatttg tgatecgtgt gttgcacgat ttgatcatca 300
ctgtggatgg atggtttagta atctttgaca ttctccctct atatttgtgt tgatctcatt 360
taatataat catgtgttcc gttggagtcc tactanaagt tgctttactc acagaacaac 420
tgcat 425

<210> 25763
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25763

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caagatggta gagcaaaggt tccagatggt catgacattc ttagtggatc agacttgaaa 120
gtggaagtga tggaggaaac aattctgagg gatctcacac gtgagatgtg ttcactcctc 180
tctgtcattg cttctcctcc ccttaatact ggaatccctt ctttggaaaca atctgggcat 240
gttagtcgat tagatatgtc ttctcttaaa nacttggata cagttgcac atgctccatg 300
gttgggtatg ctttccacct gttacgaaat atgtatctat tatagntctt tcatatattg 360
aaactgtagt ttgtgatctt tatttctcan caattttata tgacagt 407

<210> 25764
<211> 420

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25764

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 tcctaagttt tcttttccat tgtttaatac aaaacactcg caaccaaaaa catgaagatg 120
 cgagatgttt ggtttcctaa cattgaacag ttcataatgga gttttcttta aaatgggtct 180
 tattaaagcc ctattcatga tatagcatgc agtattaacg gtttcagccc aaaaatattn 240
 tggaagaaga gtatcattta ataaagttct agcaatntct ttcaaagaac tatntttcct 300
 ttcaacaact ccattntggt gaggggttct aggtgcagaa aagttatggt cagtgtcatg 360
 cttatcacan aataaatcaa attattttatt ttcaaatca ccccatgatc anctctaata 420

<210> 25765
 <211> 401
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25765

tataagaaca aaattgtctc aattatttcc aaatatgcat gttaattang aagcatcaac 60
 aagaatcaag ccaaggctat tgtgcaagca atcaatgggg caaacacac caaatgatta 120
 tgatgatgga tggctcanat tctcacaag gtaaactcat cactttcaaa ttgagctttc 180
 aaaactatca tgacatgtag aggagaatca aggatttcaa gtcacaaaat gtcaagaact 240
 tttattttca aaacaattac ccatttcttg aacatattct ataattcaaa gaanaacatg 300
 caaagtcgta catgcacaca aaattgaccc anaatattta aactaaaatc cgacgaaact 360
 aacaacatta acaaattaac acaactaaca aattaacaaa a 401

<210> 25766
 <211> 401
 <212> DNA
 <213> Glycine max
 <400> 25766

aaaacttgag gttacggtta tcaataatgt caaaccagca cagataaact aataaacagt 60
 taaattatgt aagtagagat gttgattcct attccagtca aagtagacca taactatttt 120

aatttacctt tcttgatatt cttgtatata ggaggatata attgatgaca atccaatatt 180
 caatatggcc tgaataaaaa cttttctgca aacttagcca catatatagc tttctgttta 240
 atatcatgtg gagctttttg gatcaactac acttccctct tcatattttc cttcctatta 300
 atattcatgg tgtataaaac acaatattca agtaatcaca taccaagaat cccataataa 360
 atttgcccca ggccgacgaa gttacctcat atatatatat a 401

<210> 25767
 <211> 273
 <212> DNA
 <213> Glycine max

<400> 25767

agaatctgaa taccattag ctatttctgg aacagcatat agttgtattt aaagagggca 60
 gaagacaaat aataaacgtg ctgcaccagc tcttgctgca aagcctctc agcatcagca 120
 gcaacaacaa cagcaaaaga gatatatgca gaaccaacag cagcagactg ggatcaagcg 180
 tgctcgagca tcagcaccag ttggccctgc agctgtctc aagaatgtca attcaactat 240
 tcaccactac cagcaatctc ttgccatca atc 273

<210> 25768
 <211> 347
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25768

tctttacttg tatgccganc aagcgcta atatggagac cttgatattg aataacacaa 60
 ctctcgagaa attcaatggc ataacttttc acacggatgt ccgattctgg cgcataatat 120
 gtcgagacgc tcgaaattga acaacggaag ctctcgagac attctaattg tcataacttt 180
 tcactcggag gatccgatca ggccgataat atatcgagac gctcgaaatt gacgaacgga 240
 agctcccag aaattcaaat ggtcataact gttaactcag aggtccgatt caagcgcata 300
 atatatcgag acgctcgata ttgacatctg atgctctcta gaaattc 347

<210> 25769
 <211> 405
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25769

agcttctatt ctgccaaaac gaaggagact gagtatggat ttaagataac aaagctagta 60
acagtgtctt ggggtcaaaca cccacatcac tacatgaaag agctgagagt atttcggggt 120
ttacaaagga acgtaatttg gaaattccga ccacgccaat gtgaccggggg ttcagtgtag 180
gttacgaaaa taacatgcat ttcattgaaag gataatgttt acaaagtctc tttctctaag 240
gtttttcaaa ggaagcataa gacaagcaat ggcagttcca aagtcagaaa agatgcaaag 300
acaagatgaa actaacaaga aacaatcata gaacatgat tacctcgaaa gagaacgaaa 360
gatcagatta nggttttcgt tctctaccga aaccgcaagc caagt 405

<210> 25770

<211> 396

<212> DNA

<213> Glycine max

<400> 25770

agctatattt ctgtaactac caaagttcag gttaaaggct gttcctactg attgcagtga 60
atgccccatc tgcttagaat agttctatgt atggaatgag gtatgctttt tcttaattaa 120
ggatctctaa catgtcatgc catgtgctac ttgcccatct attactgaaa catgttctcc 180
tcatctgacc tcatgaatta tttgatccct gcatttttta caaagttgag atgcaatgtg 240
tatcggttaag gacaactaga aaattagttt cacacttact ctaatgcacg tccctggcct 300
cgctgtgtct cacaattttc atgtagaatg cattgatgat tggcttatgc tcaatggata 360
tgtctctgtg ccggtgtcac ttttccaaac cttatc 396

<210> 25771

<211> 370

<212> DNA

<213> Glycine max

<400> 25771

cccaccatat tttcatagta taacactggg aatgtgtcta ttattattgt gatcatctct 60
ttctctcat ggaacgtacc acttgagctg ccaagtctct ccacctttgg gcgtattctt 120
tgaaagataa gtgccccttt atgcacatgt tctataagtg catactatcc ggagccatat 180

taaaattatg ctgatactgc ctaacatagg aaaccattag atccttccat gaatggactc 240
 aggaaggatc caagtttagtg taccatgtaa caactacccc agtaatactt tcttggaaga 300
 tatgtatcaa tagatcctca tctttttcgt atgcccggt ctttcgacaa tacatcttta 360
 gatggttctt 370

<210> 25772
 <211> 216
 <212> DNA
 <213> Glycine max

<400> 25772
 atacatgaga agaaatgaat cgacttatga cgaatgcact tcttaccacc ttctaagaga 60
 aagatgctta tgacaagcta ttatacccta cacaacgtat caacgagtct agaagagtac 120
 cataaacaga tgattatgac ttgaggaga gccatattct atagcctata acttgcacgc 180
 cttacgtacc tatgagggcc taatacttac attcaa 216

<210> 25773
 <211> 566
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25773
 tactacacac ctttcgaata tacacactcg aacctctcca tccatacaca accaaacaaa 60
 gggagggant ttgatgcatt gatagcacgg canagcgagn cgnacccgga gaccacaaaa 120
 ccgacccggc agcaagcaag ccagttaatt attgtgtacc catcacatga ggcactaggc 180
 ggcgcgcagg caaaggcgca caacaagatt cccacatcca cgaagcgcgc ataaaccac 240
 catccaatga agcccacctt caactgagct cacgaacacc cacgtaaccc acatacacgg 300
 gggctctaac accgaggacc aataaatcca caccaagccg tcgcaacatc aaagcacgac 360
 aacattcaca cagcacaagc tatcacagac taacaaaaca aggcaaaagc agaaaactct 420
 gcgcagaacc gcaaaccaaa aggcagcttt actaaacaga agacaccact gccataccct 480
 aacccaattg ggaaccaggg gaccaaacca aattctaccg gagatccata agataagcct 540
 acattagaac gcgggaggag acgaag 566

<210> 25774
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25774

taagctntga gcatattcta acgacaataa ctgtataatc ggatgtcctt attttgtccc 60
 tgattatatt aaactgctcc aaattgaaga tggaagctca gtacaaattt aaacgagaat 120
 aactttttac tcaaatgtgc gattgagtca cgtaatatat cgagacgctc tatattgaaa 180
 acggatgctc atatcatatg tgaaccgtga taacttttaa ctcgatgag cgattgagtc 240
 ctgcatata ttgagacgct caatattgaa cacagaggct ctgacgagat gctaacaaca 300
 atatcttttt actcagatgt ccgattgagt acttgaatat gttgagacgc tcgaaataga 360
 aaacaaacgc tctagaaaa ttcaaacgaa taacgtttta ctcacatgtt cgactgattc 420
 ccgtatatat cagacgctct aaattgaaac gaagctc 457

<210> 25775
 <211> 309
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25775

agtttgtag attcctgctt tccactgagt ggcttgacaa atggcctgcc aacctcaaa 60
 tcaactttacc cangaacttt tcaaaccact gtccaatctt gcttaagtct atatactca 120
 actggagtcc taaacctttt aggattctag actgctgggt atcagacaat tctttcaaag 180
 aaactgtgca caattgctgg tcttccaatc agtaatcaag atggcgaagt tatgttcttc 240
 atgaaaaaat taagagactc aaataatggc tgaaaatttg gaataaggag aactatggag 300
 atacttaca 309

<210> 25776
 <211> 314
 <212> DNA
 <213> Glycine max
 <400> 25776

actaagcgga cctcctttaa aagcttcctt gataagcaag agcttagctt cacacaccca 60
aattaaaact aagctcaact ccttgacaaa atacgtgata taacaaaaaa agagtccta 120
ctacgaagac tactcaaaat gccctgaaat acaaggctta aatactatac tactagaatg 180
gtcaaaatac atggcccaaa agaacgaaca cacctttata gtatttacia ataagagtgg 240
atccaaccta gacccatggg ctcaaaaaca aaaaaagagt ccctacttca aagacatact 300
caaatgccct gaaa 314

<210> 25777
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25777

agcttatctt cactttgtac atgcagccta tcaaggatat tggctataa tcatttangg 60
actgaggatg gttaactttg gggataagag ccaagacaga ggcattgctg cctctatgga 120
aacaaccgtt gacatggaac tcatccacaa atcttctgaa ctctggtttt agcacactcc 180
agaattcctt aataaaattg aaattaaaac cgtccggccc atggcactta tcttcaccac 240
aactccacac tgcttgctta agctcctggg ctgagaaagg taaaattaaa cctcctctct 300
gcctttgatc aagagaatgg aattgaactc catcaatggg aggcctacag ggattctgct 360
caaataatct gttgagaaag atagtcacag cgcctatctt cacctcctct ggttgctgga 420
cccacag 427

<210> 25778
<211> 391
<212> DNA
<213> Glycine max

<400> 25778

agcttatatg atattcaaact ggtcataact ttgactcgg atgttcgatt caagcgcata 60
atatatcaag acgctcgaaa ttgaacaacg gaagcattaa agaaatccat atggtcataa 120
cttttcacac ggaggtcaga ttcatgcgca taatatatag agacgctaata aattgaacaa 180
cggaagcctt cgtgatatgc aaattggcat aacttttaac tcggatgtca gattcaggcg 240
cataatatat cgagacgctc gaaattgaac aacggaagct ctctagaaat ataaatgggc 300

atatctatta actcggatgt gtgattcagg cgcataatct atagagacct ctaaattaac 360
aatggagctc ttggcaatca aatgtcataa c 391

<210> 25779
<211> 302
<212> DNA
<213> Glycine max

<400> 25779
tttatcgcta ctagatccag gatggtgtat ctttatcaaa tctgatattt aactggtata 60
aagagtaggc ttcctttgtg tttgggggca aagagttgag tgcaaact agtgagggtg 120
acaaatttat tttcaggat ctaagtcac atatgtccac ttccagtaat tcatctataa 180
ttccagtgtg taaaggtaaa actatcacat atggatgctg acgttgctgg ccaagaacat 240
agtttcaaaa ctaccaagga tttctogaat tatagctaca ccattggcct aatatagcat 300
aa 302

<210> 25780
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25780

ttaatcttga ttaggacaaa agtttntaat ataagtacta gacttaaaag aacaataaca 60
tttgaatttt tgtcacaatt ttcacttcat acaataaaaa aaatcttaaa tttagttggt 120
aatataagta caaaaaaat atacttgtat tttgaaaatt tgtctctaataaatgcggag 180
tgaaaacatt ttaaaaggca caaaagttgt gttgaatatt tattaatatt gtaattgttt 240
aaccatgtca aaataagagt ataataatat gaaatatatt atattactta taggatcaat 300
catcctcatt gtgaatgtgg gcttgatctc tctaaagccc ctagatttct atgcatccaa 360
cgacaagttg agtagttgca atggat 386

<210> 25781
<211> 421
<212> DNA
<213> Glycine max

[illegible]

<210>	25782
<211>	366
<212>	DNA
<213>	Glycine max

agctcttttt	cttttttcatt	tataaatata	ataacaccga	atgttggaat	agtactaac	60
atttccacga	ttaggagcat	gcaatgtaat	cgataaataa	tgtgctccta	tacatttagt	120
gattttttaga	ggacaaaacta	atcagtggcc	atgtgagaat	agcacgcaca	atcatattta	180
gtgtgcacga	acacaaaatg	catgcagagc	cgttatcttg	gagagtgttc	tggtagcaca	240
gattacgtct	acattaacgc	ctttacaatc	tacatgcaca	tggacgacag	agtgagtatt	300
aattgtaaat	attagataac	tacatttcta	acctatattt	ctatattgat	tacaataatg	360
aaatat						366

<210>	25783
<211>	350
<212>	DNA
<213>	Glycine max

aaatgaggac aggaggcaga cattgaagta atgctgaaaa agttatccgg agtactgaca 60
atgtaagatt ccttttctta aagtaaagac attcctatca tatgccagtg gagtgtaatc 120
taacctacac atctacctcc aatcagctaa atgaactata cgccaacatt agaatgagaa 180

ttaggagata aaggaaagca cgtccttcct cataacagcg tagcatacag ttaccagttt 240
 ttgtgacaga agcccatact tacaaccaag tgatggcaga tagctcactt gaacttgact 300
 ggatctttgc tggaaagaaa agaaggatgg gatttaaagt taccatac 350

<210> 25784
 <211> 390
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25784

agcttgctct cttctagcag agactgattt ctgtatcatt tgattcaagg acaatacat 60
 agatcaagct acaagccagg aaataattct atacttacta ccaaaaggat tattggtggc 120
 aaatttagag gaatagggtta atttaaaaaa taatcagaaa ttagtagatt ttgaaaatat 180
 tacattgata agtcatgttt taaaatatta ctttatataa aaatatcatg ttctaaaaca 240
 cgactttaga actacaattg taaaagata ttgaaattat attctagaat acgacttcta 300
 actgtttata tttattgtaa taaatatatt aaaattggat tcactactac aaaaagtatt 360
 ntttatgacg tgtgatctac cagcattatt 390

<210> 25785
 <211> 394
 <212> DNA
 <213> Glycine max
 <400> 25785

gaaaatatga gatacttatt tgaggatgaag agggcccaaaa caacattccc aaactgtctt 60
 catactttca tctgtataaa gggagaggtt ataacttctt tcactcatat aatagcccta 120
 ttcttctgga gctcaaaatt cccttatctc ccatctttac tgcgtgtact agaaaagctc 180
 attgagccca agaaaaaaga aataaaaaac taatgagtaa aacaatctgt ttgaaggggg 240
 agacacatac caactttatt ttagctcttg gttactgact attgtatata tgggtgttctt 300
 ttgcagggtt gtgatgctaa tgagacacct cactgtcaac ttgtctaacc ctgacattca 360
 acccattgta agtttcaata tcaatcaca tgat 394

<210> 25786

<211> 499
 <212> DNA
 <213> Glycine max

<400> 25786

agggtttttg tctcgcgatga ctgcattcga taggtacgga gattcctcca gagacctgaa 60
 gcatgcaaac tagtttcttc tctctagctt ccgcaccgtt atgaccatcg aagactgtca 120
 caatcccgac cgcaaccttc ttgatcccggt tcggactggt acacgtaatc tgcattatcc 180
 atcgaatgct tctgaccaat cttctagaac actatccacg gggacataga tgttggtgcc 240
 ggcgaaaggta atgctatata tcgatgtcgc aaagagcgcg atcctcatgc tagtttctgt 300
 gggcttggaa cattgcgggt tgccatctcg ctgtggtttc tggagggtga atctgtttgg 360
 agaacttaca ctgggggcat attgtggatc tgaacaccac cttgactcac gcgctcttgt 420
 atacagtcac gcactttaac tactcaccga gaacctatgt gatagtggct caaacatata 480
 ccatatcgct agtaacaag 499

<210> 25787
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25787

atgtacactt ctccagcaga caataaagtg ttatgttccc cttnttagat tactttgcca 60
 tcaaaatctt attgctgggt ttagacatca caagtatgca acagtataaa aatggagaac 120
 aaacaatgct tttttttttt tcaatccaac aacattatgt ttcactgtta agcactatta 180
 ctggcactat catttgacta tatgtccaat tcagtagcta ctgtatgtct ttgaacccat 240
 cttcatcaca tgatgtcacc atgcctcaac ttctagctac tgcaacatcc acacgcctct 300
 tttgcccagag gtattttctg cctttatcag ccatttttct tctacacca ctaataatag 360
 aaaanaataa aaaatattct tacttatagc ttatatatat tgacaattcg taagatttat 420
 atgaattggt aatgcgtaag tcattacgaa ttaca 456

<210> 25788
 <211> 345
 <212> DNA
 <213> Glycine max

<400> 25788

aaatcaagaa caagctggtg gacacgttgt ttgctgttat gatatccact ccacaagggt 60
tgaagtagag gagaccttca accctataac gcaacgtggc ggacaaaaat gggcagttaa 120
cttgaatggt cattattgtc aatgctgaag gaattctgcg cttcactatc catgttcaca 180
cattatcgct gcttgtggat atgtgagcat gaactactac cagtatatag atgttggttac 240
acaaatgatc acatcttaaa gcgactccg cacaatgagt ggctctagag aatgaatcag 300
gtataacctca ttctgatgac gcatggacac ttatcactga tccac 345

<210> 25789

<211> 453

<212> DNA

<213> Glycine max

<400> 25789

tccatatata gatcgttgca cttgaaactt cttacttcca accaatgatg tgaatccttc 60
aggttgtgtc atgtacactg taacgacccg cctcgtcgat atgatatcac cactttatac 120
cgcgagaaac tccaattttt caatgagaac tctgctaatt cgcttatgaa aatgagaat 180
aatttttttt ctcaacatac attcaccaaa caacgcacca ttactcaag tgaatatata 240
tatataggaa tagtgactca atacacatca tacacataat ggaaagtaaa tttgtgattt 300
acatcttcaa atcaacaaaa agaattaccg aaccagctat ggacgagttg attaacaaaa 360
cacaactctc ttccaaaata atccatcgt catcacgttg gctcgggtgat ttcacacaag 420
aaattcactt ctcgtacttt actgctgtca tct 453

<210> 25790

<211> 339

<212> DNA

<213> Glycine max

<400> 25790

aataacttta actcagaagc ttatcaaat gcaaacggca ataacatttt actcgaatgt 60
tctatttagt cacgtaatgc atcaaaatgc tcgaaattga taacagaagc tcggtgcgaa 120
ttcaaacgac aattagtttt tactcggatg tccgaatgag tcccttcata tatcgagacg 180
ctcgaaattg aagacagaag ctagtactaa attccaacga caatcatatt ttactcagat 240

gtccgatgga gtactctaata atatctagac tcttgagatt gtcaccgaag ctctgagcaa 300
attcatacga acaataactgt attttcgaat gtccaatgg 339

<210> 25791
<211> 376
<212> DNA
<213> Glycine max

<400> 25791

aggttcatca agtcaagttg aaatatggaa gttttcattc tgcataattg gggcaaaaga 60
tgaatcgagt cacatcactg ctctgtctac tgccaaacat atttaggatt attgatgtcc 120
ttgttacttc cagtttcacc ttgacaaaga tgtcatggac catgttgaaa atctaaattg 180
attcaacccc atatcctgcg taaaaatacg caataactcg actgtacatc attcgcatgc 240
atccatgctt ttcattgggt gcattgctca tcgcattctt tccttgaaaa ataagataca 300
ataatacgaa cttatcaaaa agaaaatgat acgctttacg gcgtccttac cgaactcgtg 360
ctagagctag agtaat 376

<210> 25792
<211> 401
<212> DNA
<213> Glycine max

<400> 25792

agcttatttt cctactcctg aggatccggc ctcaggagtg caaacctgta ataagcacag 60
agattctccc ctctttcaca atcacagggg tcttcagaaa agtggttcaaa gtatcttcat 120
caaatttgat cagatgacct ctgaccctca cctgcttagg tgacttgtct ttcgggtcgt 180
agaggtttgc aaaaaattcc ttcacaatag caacatcgat gttgccgtca gcaaaactag 240
tcagctcctc atcccatttt ctctctcga gttcctcctt gaactcatcg aacttagtgt 300
aatatactac tacatacctt cggcaccaca atatcgttat atatgtccca agctcctga 360
gaatggaata ttgatctcgt caatttgatc tgagaggatg a 401

<210> 25793
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 25793

atctcggcac gtgtcggact tcatcatttg tgcacatag gatgccaaagt atctgcaagc 60
 ggctaaccac atgttgcacg tcatcaaggt ataatacccg gacgaaatta tggtatgaca 120
 gatggctatc aaactcaggg gcggcactgg acccttcgcg cgcggcgtac ctcttatatc 180
 tcttcgtgga aagtntatc ggagccattt cctgcgagga caaacgtttg gaaagttaat 240
 ctacaatgaa atgtcattnt aaagcaaaaa tggcatacta atcttttcga cttagaacaa 300
 acttacgcac atatatccct gaagaagaac atttatgaat gtgcatacac gccaaataat 360
 ctactatcta tatcaatata caacgatatt gcaaacattc caactactta tattccacac 420
 atattccttt gaaaa 435

<210> 25794
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25794

agctttntta caaggatcag nccattcgtt ggagtgcaga ttgtcaagag gcgttcggaa 60
 agatccagca atgtctcatg aaccccccg tgctgatgcc ccagtggtt ggaagacctc 120
 tcttctcta tatgatagt ttggatgagt cgatgggggtg catgttgatg caacacgatg 180
 attctagcaa gagggaaacgg gtcgtctatt acctaagtaa gaaattcata gcctgcgaaa 240
 tgaattactg ctttttagaa ataacatgct actccttggg atgggcgtcc catcgtctgt 300
 gacagcacat gctctgggta ttcaccaact gagaagggag tgggagacta tggatcatac 360
 gttgttctct accatgcatg catca 385

<210> 25795
 <211> 452
 <212> DNA
 <213> Glycine max

<400> 25795

gaagttccta aactgtccag agattcaaag aatatctttt taacctaatg caaaatatgt 60
 tataccacat aggctgcaca cttttgttga tttatcattt aagaatgaat tcaacatcat 120

atctttgaat aaccttttaa ttgattttct atcatccatg agcataaaac tgaatagttt 180
atcttccac cccaaggag aattcatggt ttaattactt tactattcac catgatgatg 240
ttcattctat aatcttatat aagtaaaata aaattacttt ataatctcac ctctctggtc 300
tttactaaaa attaaataca ataaaatgta ccaaaaaaaaa tgtaactgca attacttcat 360
caataaaca aaaggaattt caattagaaa tacgaaatta accaaaattc tgagattacc 420
ataaattaga atatagaaca agtgggtatac aa 452

<210> 25796
<211> 396
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25796

agcttangtt atattataac taccaacttt tctgtgagaa taaaattcac tgatcataac 60
caatttttga aaaaaatgtg tgttcacctg aagggtggac gctgtgaaaa ttttcttgga 120
cgccaatat ggactctgat gaatgccac atggatnaaa gaacatgttt tggaacatt 180
gggctgattt aaaatagaag aaatgaatcc tgagccctag catcacatga ccataaaaaat 240
atgacacttg agtgtcggtta taagtgcag catgaccaat tttgcataag aattccaaat 300
catcattctt gcattttgtg tcatggaaat aatgtggagc atccctttta tacttgagcc 360
ataccaaact ccgcatgtat catgtctagc cattct 396

<210> 25797
<211> 134
<212> DNA
<213> Glycine max
<400> 25797

tcttcaggaa aggacttcca gcttctttta ctctaaacac tgctcttaaa gtcctccaat 60
gactgaatgg tccttcatat gccatcaact aagatgggtc ctgactcatc taacttggtc 120
ccaacctctg tcaa 134

<210> 25798
<211> 424
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25798

gcgtggatcg ttgactcgat gacnacnna aaatanatac ccngcttata cccaaatgac 60
ataacacgag gaaggctctc atttatTTTT gaaagaagac tgggaggggtt acatgttata 120
ccaactcata tgtattcaat acaacataaa tgaccatcct atatcaattg taaaatanca 180
catatcactt cataattgaa accatcgaag aatacagatc aacttttaggt catgtctgga 240
gcttgttcaa ccattaaaga taacaataat ttttcaggaa acattttcaa gagaggactc 300
tatgattcat atagaccatt gaattttgag cttctgataa cacatgaatc tataaagata 360
tggtaaaatt cacaacaaca taacatctct tgcaactaca tgtctataat aggtgtaact 420
tacg 424

<210> 25799

<211> 363

<212> DNA

<213> Glycine max

<400> 25799

atcttctata ctttatacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
gatatattaa gaaggggggg ttgaattaag atatcccaaa ctattttccc aattaaaaaa 120
ttatttcact ttcttttcaa gttatagatt cccttaacaa tgaacttctt aaatattaat 180
tcaaatacaa caatttgaat atgaatgtaa agcgataata aacaaaggag attaaggga 240
gagaaagtgc aaactcagat ttatactggt tcggccacac ccttgtgcct acgtccagtc 300
cccaagcaac ccgctggaga gttccactat cttgtaaatt ccttttataa gttctaaaca 360
cac 363

<210> 25800

<211> 392

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25800

tgggtcatgg ttcagtttat ggattccttg tatctctatt ccatacacia tgcaaaggat 60

aaacatgttg aatgtcaaca ttacattgaa atatgggtta aggaatccca aagagagatc 120
 taccaggag cttacttgaa ttagtgagta ataattatga aatgcatgtc aagaatgttt 180
 gtgttatag tagctaattg ttgtcgaatt cagggcccat tggcagctag ttgtgttg 240
 tactacgaat gacattgatg tgtggttttg ttcgacgcgt aagaagcctg atattcatat 300
 caaagctgca attaacaacg taagttttat attatgactt attngatata tcataaatgt 360
 gcaaagataa tatgtnttgt aatcgtatat ac 392

<210> 25801
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 25801

tctgtcttag tctgagttca gcctaccatc ctcagactga tggccaaact gaacggacca 60
 ttcagtcgtt ggaggacctt ttaaaagcat gtgtcttaga gtagaaggga agttgggaga 120
 gttttcttcc attgatagag ttcacttata ataacagtta tcactctacc attggcatgg 180
 ctccctatga agctttgtat ggtagaaggt gtaggacacc cctatgttgg tcaaagcccg 240
 gagaatgcct caccttatga ccagaagtgg tacaacaaac cactgagaaa gttaagttaa 300
 ttcacgaaag gatgagaacg gctcagagta cgcaggatag ttatcatgat aagaggagga 360
 atgatttgga atcgaagttg gtgatca 387

<210> 25802
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25802

ntgattnttg tctatgattg aatgctgatt ttgttatttt tattaagtat gtcgataagg 60
 gttatcattc gcattgaaatg tacatagtta tgggtgtgtt tggtttggat ctgaggccta 120
 ataggggcct atgttgaggg gctgaaaatc cctaattgtt ctggaaatct cgatgatctc 180
 agtaagtga cctgtgcgct aagcgatttc atcagttttt gttgaatatc taggtttcca 240
 gatgaactcg ctaagccagc tccgtccac taagcgagtt catcattttt gttgaattat 300
 tgaatgcttg catgaactcg cttagccatt gcacttaagc ttagcgagta tttaaatttc 360

tagtttttat ttgagttgta tgaacttgct aaaccggcat gccgtgctta gcgagtaagt 420
atgcttagtt cacgctctta aagtctc 447

<210> 25803
<211> 442
<212> DNA
<213> Glycine max

<400> 25803

gcttttagga gttgaaaagg ccagagaata atatctagaa gctcttgatt tttgacttga 60
atatatatat cattattgga gaccctaaaa atctgacttt attccctttc caaattctgt 120
ctagctatta tgccgtggcc tcaagttcta gtttacgttg ttcttcaatg ttaggggttcg 180
tcgtctccca aatgctataa cgatatcatt atgtgaactg tgaatcacag cattcaactc 240
tattgacagc ttgttatgtc ttattaaact accttaccaa ccgaactaac ttatattata 300
tagcctctcg tccacgcagc gcatgccacg tgaccctatc actgcttttc taacatactt 360
atattactga gtctctagat ttggtcacga attatataaa cataatgaat actactatac 420
tacgtataat ttgcacagat ac 442

<210> 25804
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25804

agcttctttg gttgctacct agtctataaa tagaagcatg tgtaacactt gttgtaactt 60
tgatgaatga gagtcttggtg agacacaaat caaagttcaa attctctccc tttttcttcc 120
ttcaatttcg tgctccccc tctctctttc tctccctctt tcttttcttc cattgaagca 180
tcctctocaa gcttcttctc caaggctcat cttggtggtg aagctccttc ttccatggct 240
tattccttaa tggatggcac ctctctcac ctcttctcct ttgtcttcg ctgcatctcc 300
atggtggaaa atcaccatta aaggacctca ttgaagctca nagatccagc ctccatagaa 360
gctccacaag caagctttca tcagtaaggt ttcaaataca gcgtttcaat tcattctatg 420
tac 423

<210> 25805
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25805

taagctttca ttattctatg tacccgagtg gtccacattg gtttcgttct tttattctcg 60
 tttggtaactt tgtatcccc tgtgacgtgc ttaagccatt ttacttaagt catttctcgc 120
 ttaacttaaa aataaaaataa atttccaccg aacgtttgaa ttgtattatc cgtaaacttc 180
 tgtaaataa aattccgacc gttcggtcgt gccgtaacca cgttggaaat caaaaagagg 240
 taaaacataa tataataata aaaaaaaca tcttttagta aaataaagcg gaaaatcaat 300
 cggacatttt ctctttggga tatctcattc ttaatcgaat tgattaataa cttaaagtga 360
 actaaggcta aaatcaactc gcctagtcaa gctcgtccat aaaanatacg tttgtgaagt 420
 ttgtcattac aatttctcac taagtataat ggatca 456

<210> 25806
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25806

agctntatat atgctactca aaaaatgcta gaaggtagan aaataaaact tatttattga 60
 ataatgaaac aagtttttca actagtaaaa aaattaaaaa tgagtcgaaa tatcttgtca 120
 aacataatca ttttatgtgt gatttaattc tcttccggga aaaaaataaa aaacacaccc 180
 taccctgat cgtcgtcctg gttcacggct tccatctcgt tgagtaccat gttccacaat 240
 ggtacaacta aaatgcagat tgcagaagaa attactgttt aatctactat ttactttctc 300
 ttcagaaatc tctcgataa gtngctcatg atggagtctt attctaattg gaggtacact 360
 nttcagtctt cactgtattc aacagccttg tatcagggac gtcggaatat gtaaagcatt 420
 cttaggaact c 431

<210> 25807
 <211> 436
 <212> DNA

<213> Glycine max

<400> 25807

tctagttggt tattcatatg tattattagg agaaaagctt gttcttctaa agtacttgga 60
tagaattaat aatctaataa aagttcttcc aagtaaaaca cgaaatactg cttcaaaaga 120
tactttaaaa agtctaaatt cttgttatta tagatttcaa tttatgtctt ttctagagaa 180
ccatagacgt tgcttctgat ctttaaaata tttagtaaaa tcattaagaa atatatcaaa 240
gatatgcttt tgtaaaacac tgttttccaa tacttaaaac aagtatctaa catgtaaaag 300
taaagagaa gcagtaaaga atggcataac acccacaaaa attataccag ttcaccaca 360
acctttgact atgtctagtc ctacgectat aggatttcca aacacaaaaa cttataacaa 420
agtagccttt ctcta 436

<210> 25808

<211> 328

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25808

agccagtcta ngttcataca ctgatccgtt caatnggcatt accgaggaag aattatctga 60
cttgtaacct ttgggaaatt ccatataaac ttcttcaaac aaatctccat tctaaaaggc 120
attattaaca tctaattgga gaatgcacca atttctagta gcatcaacac aaagtaaaac 180
tctcacagtt gtaagcttgg ccaactggaga aaaagtgatg tatctccatg tggaacttgt 240
aagccttgaa tcttctttat caatggagtc ctttacttct tgaatatcaa tggccgcgga 300
atggagaacg aagaaagatg attggaga 328

<210> 25809

<211> 466

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25809

actaagctta ttaaagttat atggcttgaa acaagcaccg aggcagcgtc actatatgtn 60
taatgagtnt atgagcaagt caggattcaa cagatgtgac atggaccatt gttgctacgt 120

taagatatat actaatagct atgttatcct tgtcgtgtat gttgatgaca tgttgatcgc 180
 aggatctagt atggcagaaa ttaacaggtt gaagcaacag ttggcagaaa acttttggtgta 240
 tgagaattct tagaaacata tcagaaggaa ttatgaagct gcctcatgag aaatatatac 300
 acaagttact tgacagggtta taccttgaag attctaagac tangaatacc cctttgggat 360
 ctcattttga agtttcaaag aagcaatctt tgtagacaga tgaagaaaaa tgctacatgg 420
 taagagtacc atatgcatca tcagtcgaca gtttgatgtc cgttat 466

<210> 25810
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25810

agcttgttct aatatectct agacgttata agaggggcca atctttcgga aaagactttc 60
 aagaagtttt tgaagatttc tcttgatgaa aactataacc tgcatecttt tgagttcaac 120
 cattcccact tttgcaccat ggggtttgtt acctgggtggg agaaatatta ttcgaccctg 180
 tcagttggag acactactat catgatctcc agacttgaga gtgggttttac acaaccaacg 240
 gtcgagaata tccgctcaaa ccttcaagct cgagggtatta aattactttt gactntctaa 300
 attgatatgt agttttgcct tttctaatat tcttattttc aggcaaaaaca atcatgacga 360
 agaaagtgtc gaaacgtctc gagctgatgt gagacccaag aaccactgg ggtga 415

<210> 25811
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25811

gttgaacaa acaggttgta tnacaaattt gtatcttata tgtatatcat nngnggaaat 60
 taaaacaaca tcaatttcag ccccatctac atgtttcgat ccatcgaaat ataatatcca 120
 aggtttaatt catatatagc attccaatat tttgatgttc gaatgatcaa ccaagagatc 180
 tacctataac ttaggtctta atagctttta atggcacaaa agtaaggga aatccagata 240
 atgcaagggt ccatttcctt attctattgt gcaaaataga ttaagacaac atanatttaa 300

taacattggt atgagagagt acttgaacat tgaagattc tatataatac ttnaagttag 360
 tacaagaata atacaagtgt aagcacagt nntttattgc actatatcta atnttgacat 420
 catta 425

<210> 25812
 <211> 305
 <212> DNA
 <213> Glycine max

<400> 25812

agtctaagtt gtattttatg ccgaagtccc ttatgaggaa acgtgttcag tggttctaca 60
 tgataaaaca attggtgtta atggtgaaga tgatgattca ataattgata cttgtgttgg 120
 acatttgtgc acacacatgt tgcctaacgt catcaacgaa tacgaagttg acggcgtgca 180
 tgcaaaatgt aatgatcatt ataaaggaga attaattaac atcatataat gtgatttacc 240
 ttatatatac ttgctttcat ctccattcca ttacataact taatatagtc tttgacatta 300
 tttaa 305

<210> 25813
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 25813

ctgtagtctt tggacacctc agagaccttg aagtttctgt tgtggtatcc agtgaagaca 60
 ttttcacggt gtgaccatgc tgtgccagga tggatgcta tgaatgcac agtgacatcc 120
 tggccagcac ggtctgagat tggaacatca ccaccagggt gctccttgac ccaatctgag 180
 acattgtaca ccttacctcg aattgagatc cataaatctc cctccttggt gtgacccttc 240
 agtctctctg aggttatgta cttcttctcc ttctcaacaa cctccattgc ttgtgttaac 300
 caaaaacaac acaaatcact gaaatcatat acaatgagaa ctacaataag aagatatata 360
 gaatatagac agattgatcg atacgaacaa taatggcgta tctgggtctt ctgc 414

<210> 25814
 <211> 146
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25814

agtttaatat cggtgttata gaaccancca cggcaagaat tgcttgagca taataaacat 60
 aaccaggaaa taataactat tccgtgaacc gtaacgaaaa gagtattttt aaattattca 120
 aagaaaatca tgacactttt tcttgc 146

<210> 25815
 <211> 146
 <212> DNA
 <213> Glycine max

<400> 25815

ctatgcaata atcgaacttg cgctctata tagatacact atgctacaca taaacagtgt 60
 cgctatacat atcactaaaa cttctaactg atatataccg cacaccgcca accacacaat 120
 gccctccggg acgcccaccc ccatct 146

<210> 25816
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25816

naagaggcga gatcgacagc tacactgctt tcttgaaaag acttggcagc cttcacaacg 60
 gcatcgccaa gaccctttaa atgtgaagga gtggaagggtg actgacctag accattcaat 120
 tcaaccctgt ttgaaccaat actggaactc taacaacaag ttgcttgacc acttggcaga 180
 aaaatccttt ttcaaaaggc ctcaatttgt aaccacccaa ctttgagcta tcgttggtta 240
 gatccttttc aaacttcagt ttctgtcta gccaatcttc tttgtaccac actgcagaat 300
 gacccttcct tttgtacata catcttacac catagatatt ttcataattt cacaacatta 360
 ctcttttcac catcaacg 378

<210> 25817
 <211> 356
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25817

aagtatgtag tgaagattnt gatgatgcca aacaagaatc aaacaaggct gtttcaaagg 60
 ataagcatat gtttcaagat taattacaag attgtttcaa caaacaagc cttgattcaa 120
 gattttctca agatcaagcc ttgtctcata actaagtgtc ttcattgacat tcaacgctct 180
 ggtaattgat taccatgcag tgtatccaat accagaagac aggggttgaca aatagctgtt 240
 gaaaagggtt ctgaatttga atttctaaca tataatcaat taccatatgt gtgtaatcga 300
 gtactcacat cgaatactct gaaattaaat ttcaaagtca tgacccttca aattat 356

<210> 25818
 <211> 303
 <212> DNA
 <213> Glycine max

<400> 25818

ctctctctgt ctgccgtatg ctgtcgccca ttatctctg tcaacatcac tgccgccagc 60
 caccgtcatt ttttccagtg atcactggat ctggtgtgcc tcaccaagca tggcccagcc 120
 cagaagggtt caaagtccga aacctataa ctcacatca tgtgcgtcat ttctccgcaa 180
 ctctgtcaag cacatgctgc tcacgcgctg gtctatggta ccagaactca ggtgcaacat 240
 cacagtcagg gtcgtcagcc tctccatgtc tagttccaat cttcagatca tcatttcttt 300
 gct 303

<210> 25819
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25819

nttacctctn tattatgaag catgcttaat aaacaattta atttctaatt taatnanann 60
 nncannnggt ggggaaagat agatacattc taagacggct cttcagagaa ccgtcttaga 120
 ttgtctaact tctaagacgg ttttccaaac accgtcttag aatcattatt ttattttatt 180
 cttttctaaa aaactatatt ctaagacgggt tctcgataaa tcgtcttaaa aaacctttac 240
 attttaagac gggtcttaga aaaaataacc ggcttaaaat gtataatttt tctaagatgg 300
 tttctaagaa accgtcgtaa aaaattgtaa ctttttacga cattggcaac atagacgggt 360

taaaaccgtc gtaagaagta ctttagaacc gatgtaaaat gatottcttg taagagtgc 420
atttcagac tcattggcgt ttggacttat gacttttat 459

<210> 25820
<211> 351
<212> DNA
<213> Glycine max

<400> 25820

agtttttttt tggtgtgctt caccgacgaa gggatcaaag tatgtctaaa aagaggcaaa 60
tctgatcatc atgcttatgg acgaacacta taacctgcgg caaatgaaga gggtgcaaat 120
gccgtataag accatgctgt gtgtgacatt gttagagaga tagtattcga cccgtcctag 180
tggagactct actatcatga tccaccgact tgaaagtgga ttacacagtc atcagaaagg 240
ccatccctaa aatcaaccac aaagcctacc taccgcactt tcaatgacga acatcacctt 300
tagtacaatc caaaaacacc aaccaagaaa tgaattttgc agcgagaaag c 351

<210> 25821
<211> 363
<212> DNA
<213> Glycine max

<400> 25821

aatgaaaatt acgtgatcct gaggtaaact ctcatcttca tcaagtctat aacactgaat 60
tagacttgct caaactaatt ttaaggtaaa atctccacct attcaaaatt tgacctctca 120
aacactcaatt cacactataa atggctcttt tctttcacat ttgccactca ttttgctcat 180
ttgctttgac caagcttttc tacaagccct aattgacaat cttaaactaga atcaactcac 240
tttaaactca aatttccact aaccccaaat gttggcttct aacctcaaa atcttacact 300
tttgaccta caacactacc attctcacat ttaactctaa gctaactttc ccatcctctc 360
tac 363

<210> 25822
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25822

taagtcttct taggaagann tctcaaggaa gctacctagg ctataaatag aaacatgcgt 60
 aacactcgct gtaactttga cgaatgagag tcttgtgaga cacaactcaa agttcaaatt 120
 ctctcccttt ttcttcttc aatttcgcgc tccccctct ctctttctct cctctttct 180
 ttctctccat tgaagcatcc tctccaagct tcttatccaa ggctcatctt ggtggtgaag 240
 ctctttctta catggcttat tccctaacgg atggcgccac ctcttacctc ttctccttg 300
 tcttcgctg catctccatg gcggaaaatc accattagag gacctcattg aagctcaaag 360
 atacagcctg catagaagct ctacaagcaa gctttcatca ataaagcata cctctttctg 420
 a 421

<210> 25823
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25823

atagaatact aagcttggct ataaaggaca tagccatcaa caatttatct atatcgtagt 60
 anactnccgn tatgcgttct tcaatgtgag gcaactctct cgacataaag tcaacatcac 120
 aatccttctt cttaaccttt ttgtgaggc gactaaaaaa gtcccctaca tggctgatat 180
 cgtttggcaa aaccctgaca ccgctctcaa tctctctgca cctccatctc taaagaagac 240
 ctgagatgtt tatttaaact taactaacat tctcttgaat tctttagtat tgataattgt 300
 aatgacctt ctttgatact aaaacacatt tattctttaa ttattcctaa atttgaagat 360
 tcttatttaa tatatatata tatatatata tatatatata tatatatata tat 413

<210> 25824
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25824

tggcatgtca tatgttgatc atgagnggtc ttgtttgact tttctccgc aacaacaaac 60
 gtngatttga gggaagaaga atctgaacaa gaaactcggc aagagcctga tcttcaatgg 120
 aacccttttg agtcccttat gattcanaag atgaatgcta tcattcatct ccatcaaaag 180

catcaagccg aagttcaciaa ctcttagag aacattacaa ctaagttcga gaacatagaa 240
 actaggctat gcctttgtaa cttcttgaac ccgaatgagg ataaggctca gatatgctta 300
 tgtgattgtt tgcgatgctc tatggtcttt ctatcatgtc atgttctatt tcgcttagct 360
 tgataatgat gttcacatta cgtttgtctc tgattaaacg cctatgcaat atctttttc 419

<210> 25825
 <211> 87
 <212> DNA
 <213> Glycine max

<400> 25825

ttgaggattt ggtctttgcc agtgaaagga tcgatgcggg tctgaatcaa ggcataattta 60
 gccatcctac ttgcacgaat gagaaaa 87

<210> 25826
 <211> 168
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25826

atcttctttc aaccactga ctgatctgan atgcccagat cagacctctt tatacttgcc 60
 ttctgcttca tcatgcttgc agcacgatgc aagcgatgtt taagaactcc tatcatagct 120
 ctcttgctg caaatgttct atcaaacgga tctaccactg aattcctt 168

<210> 25827
 <211> 233
 <212> DNA
 <213> Glycine max

<400> 25827

tgaaagctta gagacaatga tcttttcaag gaagacttaa tctcataata gatactttca 60
 ctgaagtcta taaaaggagt ctcaaggctc agtagaacac acgtcacaac actcaatttt 120
 ttgaagtgtt gaaactttgt caaaatgtga acgatcctat acttgtacct agagagttaa 180
 ttctttgcat cgaaaagcta tttgtttgta cttggcctac attgtatata ctt 233

<210> 25828

005013010000

<211> 95
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25828

agcttctttc tctttgctca ncttgacggc gaagccgggt ctgttatgga ttattcccta 60

ccggacgacg cctcctctca cctcttctcc tttgt 95

<210> 25829
 <211> 192
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25829

tcatgatgat gaatcaagta gttatgataa cgacaaattg cctaaaagat tgattacaag 60

antgagtcaa caggttcaag atcaagatta cattcccgat tcattaacag aaatcaagag 120

gattcaagat tcaagaaaag ctgatttcaa gattcaagaa aagacatcaa gaagaatcac 180

gactcacgag aa 192

<210> 25830
 <211> 322
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25830

taanatctct tatgattaca acttttgggc taaacagtta gctttctggt tatgntggag 60

ataatagatt gagcttatat ggatagcaga tcggatccaa actattatga tgaaatttta 120

atttatcagt tctcctctat tttaagtctt cctcatttta cagcttgtga ggggtggagag 180

ctgaggtctt aaagagatgt tctgagatag ggtatttgaa cctagcttat acaggaatcg 240

aagcgtttga gatagaaaac tgcaaggcat tgaaacagct gaatgtaaag atttgtaggc 300

tcgctgactg cttactcatc ga 322

<210> 25831
 <211> 178
 <212> DNA
 <213> Glycine max

<400> 25831

tggttttatgg acacgggtgg tattgcacac aaccaaagta tccacagccc tgaactctga 60
atgcacggaa tccactgctt tcaccaccag cactgtgaga aaaggaaaca atcaatattc 120
tttcccaatc cataagaatt ttccacatgt gaatcagaca ccactaccac atcagatt 178

<210> 25832

<211> 188

<212> DNA

<213> Glycine max

<400> 25832

tgtatcaaag catggcacc tgcattcgcg acaaattctg ttccggcagg atcatctttg 60
tgagggccat ctatctcttc tggatgtcta tgcgcaccac cattgttgaa aacaacgatg 120
accacaggca actggtaccg aaccaacgtc tggatagaag atgaagagcc acaaacatgc 180
ctcacccc 188

<210> 25833

<211> 212

<212> DNA

<213> Glycine max

<400> 25833

agtcttcatt ctgttcaatt gctccagggt gctgcatgga agggcaaagg ttgtatggc 60
gcgcaccaga ggagcacaaa ccacataccc ttgcgacagg tacatatttt tgattcaagg 120
ccagctgggc taccaagtta accaatgcat tcagcttggc ttcaagcttc ttaagctcaa 180
atgatgcagc tgaggttgga gctacctcat gc 212

<210> 25834

<211> 400

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25834

agcttgtggc ttgttctttc attngngtgt aaggtagga gctctagcat tgaaaaatgt 60
actgcatcct tacaactgga tagggtaggg ctaggttatt gaactgcaa acacagagtg 120

aagattgttg tcaaaaagct gtcaactgaa tatacaancg tccaattgac ttcaaaggt 420
gtaaccgatt aa 432

<210> 25837
<211> 457
<212> DNA
<213> Glycine max

<400> 25837

cactgcgact gcagcattca atgctgacct ttttcattct tcgtcacccct tgttgtccaa 60
atgcctttga tctctaagta catcagtcaa tacacgttcc atttcaaaat tccatgtaaa 120
ataaattctt gtttctcat tattttttcc taaaactttt cttttgtcca tcattttttc 180
attagatgac tccattgaag ttaatgtcac ttattcaacc tgcacataac aaatattaga 240
tataacctac tttattcatt tgactagtcc actacacaat catagaaaat atttcaagca 300
aagtttgtat gcaatagcaa agtacataaa agtctatctt caatagaaaa gtacaatagt 360
aacaagcac acaaagtttg tttgcaatag caaattacat ttaaaaaaga actatgctta 420
agcaaaagtt ctcttaactt gatagttagc aaacata 457

<210> 25838
<211> 367
<212> DNA
<213> Glycine max

<400> 25838

agcaatattt attataattt taacgcagac cagacaaaca cgatttccta tatatttaat 60
attttattgc tgatgcatct ttatatgtac agactttgtt aaaaaagaaa atgtcaaagt 120
ttagttaata aatcagattc gaaaattaaa attctcattt cacaatacga aggagagaat 180
gtactgtatg gtcggagatt ttgaaagcaa aagaaatggt gtagaagata tgatgtgaca 240
gaattttcgt agaaaactgt taaatgatgt atatctgttt caaatgtaaa ttgactcaca 300
gggctgatat ggaactaata tgcttaatat agtttgaatt tgatcgcgaa tcatgataat 360
aactaat 367

<210> 25839
<211> 430
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25839

actganactc aactaatcat cttctatcga attgagatta tatgatattt ttaatggtaa 60
ctttaacgtc aagtacatga ccaaacttta aattttggtc aagaaactta aatattgaat 120
cacttatatc agcaacttta gttatatttt aattatttat atttcctctt taaaaacaca 180
ataatattat tgaaacgtta ctttataaat aacattttgt attattaggc aaaattacat 240
taatcatatg gctataaaaa gtaaaaaacc aatcttgatt aaaggccttc tccttatcaa 300
gccattttta ccaatggatg tcgttttgat cttcctcaga gcgtacttgt tacattcggtg 360
gtctcgaaaa agaattaaat taaatattaa atatataaca tattcggtgt atattgcact 420
acaatcattt 430

<210> 25840

<211> 417

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25840

agcttaattt cttgttattn gaggtaagag atttgccctg gattcatcta aagactactt 60
tccttancac acttatgttc aatatgttgg atttgccctg gagatctgcc ctgaattttc 120
tcctttgaaa acatatttat ttggaaattc ttccaagac accattgaac cactgatgga 180
ggctttggag gaagattata tagatggata taagataaac gaatcaaggc agattattga 240
acgagtattg gatcttgaaa agagaatcaa tagactagat acattgactg ataaactaaa 300
tataacaaat tttgtcattg ttgaacatat tattaactta taaaccacat ctttaccatt 360
tggtaatatg ttgtacttat ttctgatacg agcataatac tatgacatga atgttca 417

<210> 25841

<211> 466

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25841

cgagtgtccn cattgaataa cctttattca aacctttctt agtttgtgat aaggctaaac 60

gaaaaattag ggaacttata gaaactacat ccttaattga aggcgtaggt gacaatcata 120
gcgaattact aaacaagatt agtagtttgc ttaaagtcac tccagatact cccaagctt 180
cggaataac ttccaaaatg gtaacaagaa gtacctcaa attaatatt gttattaatg 240
aagatagtga ccaaaactta gataacacaa ctgagatagg atcagtgtca gataagaata 300
tatatccatt aaactccaaa cactggataa cccctccaa attatattat caacgtccaa 360
ctgcccctga ccttctatta gaagatagat gtgattacaa ttttaacaag tttagtgc 420
ataacatcta tgaatggaac atagatgcac aaacggagta taacat 466

<210> 25842
<211> 295
<212> DNA
<213> Glycine max

<400> 25842

gatctacaaa cacacgaaag cagcaaatga tcattgtggt cacatcttct ttatatgaac 60
ctgtcagaca ttcgtgagtg tgcgcaaata atgcacatca tgaagtggca aaataactta 120
atatctttct aggattgagg tggtgtgtgc tgcttaatat taaacttgaa cttacgtggc 180
catcgatatt aaatggagcc tatgttctaa ttttcggaca tgctgttctc ttaaagtcaa 240
gggaaagagt tggtgagcga atacacactg attactcacc tgggtatcct gtgga 295

<210> 25843
<211> 337
<212> DNA
<213> Glycine max

<400> 25843

atctatttct cttgaacaaa taccctcag ccgaatagaa tccatcttag gccttcttcc 60
tacaactctc gtaaatggga gagaaatgtt catctatagc atacaagtcc ctaatgtcat 120
caaactctat aattagagct cctacagagc aataaaatgt gtgtctctta gagagggcat 180
caactaccac atatcgtttc ccttttttgt atttgataac atatggaaat tgctttaagt 240
actctaccca ttttgcacgc cttttgttta acttgctttg ccttctaag tacttaagt 300
attgatgac actatgaatg acaaattcct tggaaac 337

<210> 25844
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25844

gttgagccct tatataactg gaaacaagga gttgtttcat atctggatga aagcttttagc 60
 cgaactgtaa aacttggcaa taacaccagg atggctgttg tgggaaaagg tgatgtgaac 120
 cttacggggc ggaacgcttg atacaggcta cggagttttg gatgatgcca cttccagtga 180
 aggaagataa gtcagggtag acgccacaag gattaccttg ataagtctga gattgggttca 240
 acaaggaacc tagagagaag ctatcaccaa catttatgaa aatgccaaaa gtctttttta 300
 ttgaaaacaa aaaccaatac ttatagtgtg tcagaacaaa agataaaaaat agacataggc 360
 cttctanaca gtctngcca aaattacaat aaataaaaat tataactaaa aaatatattt 420
 aacttgggcc 430

<210> 25845
 <211> 500
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25845

agattaatcg atagctccgt angtcnegcn anttcagtna ganaccggac gaggnecatcc 60
 tntngagact acctgcaagc gtgcaatctt tattgtctct tatgacgcaa ctgagttggt 120
 aggtaccgta tgcactcctt gaacgaatat ggcatcagtt atggcgctaa cttgctgata 180
 attagacgtc cactcttcag atgaatttat ggctgcagct agagacatga ttccaagggc 240
 tccaccactg gcagcatcca tatacttata tccaatatga ccgagaccct tattaataca 300
 taggagaaga agctgctcca ataaatgatg gtgagggcaa ctgggcgata attattttta 360
 tcactcccat gaatcataca gggacatcca ctgagtggct agacctgaaa atctttacta 420
 tggaagggtc tggaacagga aaatcttgct agaatatctc ttaagtcaca cagctgagat 480
 gacctggtga aaggaaaaag 500

<210> 25846
 <211> 348

<212> DNA
<213> Glycine max

<400> 25846

ttccataaca caccacagtg cgctgttttc gatgaaagag ctctagaggt atcaagaaga 60
gtaccttctg ctcaaagacc tacgctttgt tatatgatag attattgagc tgcacagtga 120
ttgtgagatg ctgataatag gtggagggac ccccttctt gcgtgacgaa caatcatact 180
ctactcttaa tctcatctgt gcaagcggtt ttctgtatgg ctggctaaac actcttggtg 240
ggaatttcta atgaacaact gatcttctta ctctgatata taattgattg tctgttctgt 300
gttcgatgcc tgtttcattg cttaatattt gcatgctctt ggcttgat 348

<210> 25847
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25847

cttgtgacga gtgatgagga agttttgatg ttgatttact caaagacaaa aagatgggta 60
ggtttgatat ggtgattatc atacgccatg atggttgggt gtttggttct aaatgggtat 120
cactgatgct atataattgt cacaaaacgt tatattcgaa gaacaacata atttatatat 180
attttaggag ttctaaaccg tataaatttg ataataatcc accactaatc actaactttg 240
gaattttcac taatgtaatt agtgaggaga gacaatgtta taaatgaggt atgaatatta 300
cccattctca aaagtgtgaa tactaattta tcaatatana atcatatata tggactaaat 360
ttacattgac taaaat 376

<210> 25848
<211> 386
<212> DNA
<213> Glycine max

<400> 25848

tttatcttat ttctcaattg gtgacccaag agaacatttt ttttatctaa ccacccatct 60
attggtgaga ttaaaaatgt agttttcatt atgagtagct ctagttcccc tatccctgat 120
ggtttcagag gccacttcta ccacaggtac taggaaatta tctcaaaggt tgtctataat 180

tctgtccttc aactttattc ataagaattg gcttctcctt ggatttaaatt caaacatttt 240
 ttgcctttat tcttaaattt ccataagacg atagaataga aaacttcaga cccactgctc 300
 tgggtaattc ccaatctaag attatctcta aaatcgtcac aagtagattg gcctaaatta 360
 ctcttaagct gatgtttaat aaccaa 386

<210> 25849
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 25849

attagaggag aagacettca gttgtttcat atatacctcc tactttaaga aacacataag 60
 aaaagcgtgg ttacatgcat ttgttgacaga tctaagtcaa aatgagcaac tattgccgat 120
 attatagcga aagaatcttt cgtagatact ggagagaaaag tctctctgtg atctatacct 180
 tctctctgag aacatccgct agcaacacga attgccttga tctctaaatg ctgactaatg 240
 aattctttgt ggtccttaat gaccattac atgcaatggc cttcgcccat taggcaactc 300
 tcaagtgtcc aaactttgta ctgagcatgg actctatcgt actcatgcat ataccagaat 360
 tactcttaca ctatgggtga aaaag 385

<210> 25850
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 25850

agcttaattt ttataaaatt caaatataaa tctcttggat tactaattat taacaaattt 60
 taacttatca aaatagaata atttagaatc tctctctttc ctaaaaatta gtcaattaat 120
 atcatctggt tgaagattaa ccaatatcac aattaatgtc atttatagta tggtatttat 180
 cccaaaaaaa taaatcccta ttaattgtcc tttaactcat ctcaattccc taactaactt 240
 atctcagact ccattcttca cggtgtttca tctcctcatt ttctgttcat aacaaaaaat 300
 ctattcttct ccttcccttg aatgaaacat attgtttatt gatcaaactg tgtcttcgca 360
 gctcaacctt tctgaatttg acatcgtctg gattctgaac gcctatt 407

<210> 25851

<211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25851

tgtnaatata agtgagatat gcaacagcta taaaactaca ctttacttct ataaatatta 60
 aaataagtag ttatctcgag aaaattgaga taactgatat cacataaatc cttccagcac 120
 atagcacatt acaagtctaa ttgtgaaaat ttccctcttg taagtatata agaaaaatat 180
 tttagtaaca taacaaatta aacttgataa ttngttacga attacgtaga tagaacagtt 240
 attgtttttg tagttatagt ggaaggggta gtcagtcaga ggggatttga gaggtaaata 300
 atcatgagga agatgtaagg gaagaggcat tctaatttag tatcatttga gaatcgaggt 360
 tctctctttg ttagggaaca ttctttaagg ggaaaccttt ggacgacaag tatctctcct 420
 attttatggt cttctgtaat acagatataa 450

<210> 25852
 <211> 349
 <212> DNA
 <213> Glycine max

<400> 25852

agcttgattt gttatagcgt ggaagagtca gtcttcttac ttttgtttgt tgaccacaga 60
 gtggtaccta gagatatgtc gcgggggtca ggagaccttg gggacgtcag gtgggggtgct 120
 atttccaaa accaagcatg accaatcccg acccaacctg ggcatagtca gtcagtgaga 180
 acttgtagcg tacctaaaca ggtgagctcc tggcagtcaa ccaatataag aacaaagacc 240
 acgaagcaag gaggcttgtg tggcggctgg tcatctatga atcttgagtg gtatttggaa 300
 attggcctct ggtaattgat taccaacggt gtgtaatcga ttacagggc 349

<210> 25853
 <211> 472
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25853

actaagcttc tgatggattc agtacttgct atgcgtgtta ctttatattc aatttcttat 60

angatatga aatcaatata tatatatata tatttgcgga gtgaaatacc tgtcctttnt 120
 ctttgaaatt gaattgtttg ttatgcactt tttcttttgg ctaaattattc ttctgtagtt 180
 ggcattggcat gacattgggt tcaaccattt tttgctttca gaataataa ttgagacatc 240
 tctgattaat aatgctttca ttcgtaaact acaatgaaaa caaaagcctt cctatatattga 300
 catgtactca acgagatatt tgaatctgta ggtgcaaagt gatgaagtac cccattgtca 360
 gttttgtatt agcatcttcg tgaagcattt atgggccact gtcttatatt tcttatttac 420
 aatgttttgc ttttgacett ttctctgata tcaactgaatc ctgtttccct ta 472

<210> 25854
 <211> 553
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25854

agagaccgag tttgttgcac ncgtagcat ttcgcaantc cacggagatt ggagaanagt 60
 ccccgngaag ctntggaagg gaacagagca gctattcttc tgntatttct actcgcacac 120
 cancacnaga ganggtgtag gtgatgatta cgcgagtag tacatcgaca tcaatagcag 180
 gaggagagag atcacaacgg ggtcactcga tttgcgtcac tcaacggact atgaattgct 240
 ttgcaagata atactgcaca cgacncataa taggggccat ataacactat tcaatcagtc 300
 taatgctggg ggagtgagat gaagatattt gagcaataga ggttgaaatt aagcaaggga 360
 ctaaataaaa agtggagtaa gaatacaatc actgagagat gatgcggatt gatctgattc 420
 tcagatacaa tagagtgaag agacgaagga atctgttggg attggggacc atcggatctc 480
 gttttgagga actatcttcc tacgggagta tcggacgaca ccatgggatc ttcggcgccct 540
 gcgcctgtga ggg 553

<210> 25855
 <211> 365
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25855

tgattngtgg gttgatatta acactagtct cactttgggt atagtctttt gatccaagga 60

tactttcaaa gaaaaacgtg cgattgattt ttctgattat ttatttcaca gatattttga 120
 ttattttatt attattattc aagatatttt gatctttatt actattatgc ttttttggtt 180
 taaccgagat tacaacgtga atgatcagtt agattttggtt ttaatagtga ttaaacgaga 240
 ttacaatgca aatgatcggg cgaaatccat tttatcattt atttggtgag aaaacggctc 300
 aaataaacgg ttaaagcacg tttaaaacgg aagaaaagaa atattgaagt gaacgaaata 360
 aagat 365

<210> 25856
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 25856

agcttcattt gttgttcatt tcagtatcac ttctcttat ggaagaaagg tatgcacttt 60
 ttgcattgta tatttgtttg atggtcgtac aactattagc attgtgcttc ttcagagtca 120
 gcagaatggt tcttggtttg accattaact tcgtcatatc agcaataagt gtcttttcag 180
 ctttactcaa tcgtccggca tatggatgtc caactaatga cttggccaat tcatgattat 240
 gaatcccaaca tatcaaattc accgttcagc cttgtcctcc aaccactggc ttgccacgaa 300
 gctggaaggg acaccacat ttctagtcc cagtgtctct tctaacgaat tctttcttcc 360
 tacacctata ctgccactc ctgtcacacc caattaacac aaacgaagtc ctctcttac 420
 ta 422

<210> 25857
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 25857

tcccgcatcc gcacctggaa ggatctgatt acggccttcc ttttgtctta tcaatacaac 60
 tctgccatgg ctccaaccg aactcaattg caaaacatga gtaaacgaga acacgggtct 120
 tttaaagaat aactcagcg ttggagggac ctagtagcac aagtagcccc tcccatggtc 180
 gagagagaaa tggttactat gatggtggat accttgcta ttttctacta cgacaaatta 240
 gtgggctaca tgccctccag cttcgcagac ttgctattcg ccggggaaag gatcgaggtg 300

ggcttgaaga gaggaagtt cgattatgcc tcctccacag gtaccaacga taggaggatc 360
 agagcaactg gggcaaagag gaagatagga gatgcctatg tcgtcacttc aacgcctgca 420
 t 421

<210> 25858
 <211> 356
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25858

gcnnngtgcc ttacaatatc atngcctcca ttggtatccg acataatctg catgtgatat 60
 acaaatacag aatcagtaat actgaaaaag atataatata tgccaaccaa cagggtgggta 120
 ctcccttatga tgtaaagtac tcaggataaa tcatgtccat aaacttgtga aagcaggctt 180
 ttgcaagtaa gaaatgagca gtcccccttga atatattgtc caaggaccaa atatctgaga 240
 agttaaactt acaaataatc ccaaatagata taaaattatt gacaaaaatg tcatatcatt 300
 tacttgtctt acaaaaatgt tatacatcta tactgggttat ttaataatca aatcac 356

<210> 25859
 <211> 442
 <212> DNA
 <213> Glycine max
 <400> 25859

ttcttttaac ataacagcag gaggctcttt atttctaaat ttctctccca agtatcaata 60
 ttttaagatt ttgcatttta aatatgagct aaatatttaa gttgcatttt ccatgttatg 120
 actctgtag tgtagattata tgaagcattt taaactttta ggctatatat gggtttattt 180
 tggaatatc gactctaaat atctccta atgaggata gttgatgttt acttccaaca 240
 ttaaaatttc tgtgagcaat gtatgcactt agtttatgtc ttaagggatc ctctcttaat 300
 gcaagaagca cggaacgct ctgacaatgc tagccttatg tatgaccagg tgcattctca 360
 atcagaaatt atttctaata ttccatgta gattcctctt gctttgatca atatggatgc 420
 taagcatact gcctatgata at 442

<210> 25860
 <211> 419

<212> DNA
<213> Glycine max

<400> 25860

agcttctttt atttaagatt tttcttttaa acagtcctaa gcagtgtgcc taaagtccta 60
ttgactacct cagtttgacc atcagtttgt gggtgacaag tagtagaaaa caacaattta 120
gtaccaatct taccacacaa ggtcctccaa aagtgactaa tgaattttgc atccctatca 180
ctgacaatgc tctcggtaa tccatgaagc cgcactatct ctttgaaaaa caaatcagcc 240
acatgacaag cgtcatccac tttcttgcaa gggatgaagt gtgccatctt atataacctg 300
tcaacaacaa caaacacaga atcctttcca ttcttggttt tgggcagccc caaaacaaag 360
tccatagata tgtcagtcca aggatattca ggaacaggca aaggagtata caatccatg 419

<210> 25861
<211> 404
<212> DNA
<213> Glycine max

<400> 25861

ctttaggagt ttctcagaag cttctcagga ttctctcttt ctataaatag aagcatgtgt 60
aacacttggt gtaactttga tgaatgagag tcttgtaga catacttcaa agttccactt 120
ctatacctct tttattcctt caatttcgtg ctccccctc tctctttctc tccctctttc 180
ttttctcca ttgaagcatc ctctccaagc ttcttatcca aggetcatct tgggtggtgaa 240
gctccttctt ccatggctta ttctttaatg gatggcgct cctctcacct attttccttt 300
gtcttccgct gcatctccat ggtggaaaat caccattaat ggacccatt gaagctcaaa 360
tatccagcct ccatagaagc cccacaagcc agcttccatc acct 404

<210> 25862
<211> 594
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25862

gcgcggcaac agcgcacaga ggaaccggga nganacctag ataanattta attataatac 60
gaaaaaaaaa aanaagagag gganntttga tgctcctag ncanccacag nnaanngagc 120

accagcgccn cganccacna gagncgaccg gcaggcaagc aagcttagat tgcacactca 180
 aggccancnc acgcgagaga gggaatccga gagactccaa aacaaacaac agcagcctaa 240
 ccgaaagaaa acaaaccggc gcagaaaacc ggaaaaagaa acggacgaac gggaaagaaa 300
 cccccaaaaa gaacgagagc acgaaccaag atagagagaa cagaacgcgg acgacaaaac 360
 gaagcgaccc aacaagggaa aggaggaaac cgaccaaca cccaacgaca cagtgaccag 420
 caccaaaagg acgccacaaa cagcgcaccg caccgcctgc acgaagaagc gagaacccccg 480
 gaagaaaaca gcggaaccac gcgcaaaaat gacaccatgc caaaaagtgg taactagaca 540
 gcgaaaacgc acccaacca agaacgaccg caaaaagcgg acagacaggg agcn 594

<210> 25863
 <211> 530
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25863

aggacgcngn gtnccggtac agcttacnat tgtncnnnac gcgataatat anaatactcc 60
 agcgtttact caattagact gacctgtgga gcgctangat gtgatttctt tatcancgca 120
 tgtngtagcc tcgaattcct tcatcatgac attaacccac ctgctttacc tgacgagtaa 180
 tggaaatgat ctcgttgctt aattggccta tgtcattgat aactgctaata tatcagttta 240
 ttttgggggt aaattatata gagagttgtt atcttttcta tcctatctct tactctttga 300
 gcaaataatt ggtacttcac attaaataag tttttgtgca taaaagaatg aaagttgatg 360
 aattattatg cgtattaagt atatatacat ccactagag caaattggat atcataacaa 420
 cgcgtgtcta tcacgaccac agcgccttgc tggagctaca cgcttaacgc caataggatg 480
 attcacgaca acacggctaa ttacagaaag aacgcttata tatgaaatag 530

<210> 25864
 <211> 263
 <212> DNA
 <213> Glycine max

<400> 25864

gagccccatg aattgcgttg tcgttcatgt gtccttcacc ttcgaatatt gagctatacg 60
 taatgataat tagtgcaatt gtacattctc acgctttttc ggaaccccaa gagatgcggt 120

taagtggatg tgttcttcac cttcgagttt agaactatgc gtagcgattg cttagtgccca 180
atctcgattc tcaatcttta tgagagcccc atgaattgcg atacggtcac gggtcctcca 240
cactaagaga ttggagctat gcg 263

<210> 25865
<211> 279
<212> DNA
<213> Glycine max

<400> 25865
ccgggatctt agatcacctg cagctgcaat ttatTTTTTTT ttacCCCCcTc tatgtcgTac 60
atgctacaac tttttctctt ttgtgaaaga ccaactttat attaagtcaa agatttttagc 120
ttaaagcgaa ttaagactcc taattctttt cgatagatca aataatcaac tgaggacgtg 180
ggctgatttg catagacatg actatcttag ctttgaagtt tgaatgagcc tctagatgat 240
ctgattgcat atagcagcat taagacttat taatcttat 279

<210> 25866
<211> 449
<212> DNA
<213> Glycine max

<400> 25866
atagaatact aagcttcaag aataatggcc tcagcatact tcttattccc atattgttat 60
tcaattatta ggcctcctat ttttaatgga gaagggtacc actactggaa aacccgaatg 120
caaattttta ttgaggcaat agacttaaac atttggaag ccatagaagt tagaccttat 180
gtaccaccca tgggtggctgg aaatacaaca atagagaaac ctatacaaga gtggtatgaa 240
gatgaaagaa gattattgca gtaccaatta taggctaaaa acatcattac ttctgcccta 300
ggaatggatg gatatttttag ggtttcaaat tgtaagagtg ctaagaatat gtgggacact 360
ctacaagtta cacatgaagg aacaactgat gtcaaacgat ctaggataaa tactttaact 420
catgagtatg aactattatg atgagaaca 449

<210> 25867
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25867

ttcttgttgg aaganacctc atgagcactt gtatgaagct tgaaaaatga agaagaatgg 60
cttcctctcc ctcttgggtga actcgtgcaa acaaggaaga aaaagattcc aaattgggtt 120
ttaaagaaac atgaagatga agtttaaggc tttgtctaaa ggaaacttga tttggcttaa 180
gttgacaagc ttcattgaca acatgattga ccccttggca gccgaagttt aatgtgccaa 240
gctatgcctt ttgggggttat tgttgctttt gaaattttta ccaaaaatga cttaaagtag 300
tttaaacc aaatggctaa natggctaaa gtaggtttat accacaaatg gctaaagtag 360
gtctaaacca naaatggaaa atttgctttt gtaaaactgg taaccctatc 410

<210> 25868
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25868

attggagggg ttccatcaac cgccctatct tcttgattct ggtggtacct gngcttttga 60
ccttgactgg gtagaacctc ttgccggttt gatttggtcc catgcttact aaagtgagat 120
aaaagctagt gcaaatcaaa actccgatat ctcatgggtg gaatggatga atgcatgatg 180
gaatgcatat gacacagatg caatctagga atgcgggggt ccgggggaatt tgtccccttc 240
ttagatacga cgtctggggg tagcaaatg cccaacgca cgtttttaag aaggcgacac 300
ggaccctacg ttggtttgtt tacagtatgg atcaagacag aaccgcgatg caatgcctat 360
gcaaaagaca caatgcggga atgtacacag tatgacaata tntaccgaac ataagcatac 420
gggtatatga tactcatgca tggcagtgt 449

<210> 25869
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25869

agcttgtctc ccattctctc caggcgagca aggttgcttc ctccagaagc aacagccttc 60

tggagggccc aagtgggcct ggtttctatt tgcaccccct ttttactaaa tgcacccctt 120
 ctattttttt gtaattcttt ttccgtaacg ttacgaaact ttgcaaattt tgtaatgata 180
 cttattttcc ttccgcaagg ttacgaatcc ttatggatta tgtatttact cttttatagc 240
 tttcgaagaa gttacggaaa ctacaggatt gcgcaaaaac acctcttttc gacttccgcc 300
 acattatgga atntcacgga tcgcgcaagc ctgcttactt ttgattattg agacgtctcg 360
 ggacttcatt tattgtgcaa caaaggacgc caagtatctc aaagccggct aaccaaaggt 420
 tgcatgtcat caagt 435

<210> 25870
 <211> 446
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25870

ctaagcttga gacgcatgtg nactnntgga tcatcaaagc attagcttga ttctttgtct 60
 acaatctccc ctttngtgat gatgacaatc cctgaaatca agacaagcta tatacaagat 120
 gatagcacgt tcacacaacc cttactcccc ctatcttttg gcatgtatgc ctaactttac 180
 ttaatgataa atttctaatt gataattgat ttogaaccca agttctctca agttctctcc 240
 ccctttggca acatcaaaaa taactaagca acataatcaa tattcaaata gagccaaaca 300
 ataaacgaaa atatacattg tcataaccaa ccaaatcaaa gtcaagaaat ataatttag 360
 tgcaagatta cgataactaa gcaataaaaa gccaaataca cggcgataaa ccaaagtact 420
 aataatactt aagctaagat gatgat 446

<210> 25871
 <211> 383
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25871

agcttcttat ccttggtcga tcttggtggn gaagctcctt cttccatggc ttattcctta 60
 atggatggcg cctcctctca cctcttttcc tttgtcttcc gctgcatctc catggtggaa 120
 aatcaccatt aaaggatccc attgaagctc aaagatcaag cctccataga agccccacaa 180

gcaagcttcc atcaagtggg aatcagtgc caagagcttc aagtaggtgc tccttaaacc 240
 tccattaatt ttttttcttt accttctctt ccattgttgt ttcttcattt ttctccatgt 300
 atctctcac atgtcttggg cttaaagggtg ttaacatgat tcttttagagt ttccaccgat 360
 taaacttgct atagaagcta gat 383

<210> 25872
 <211> 363
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25872

ccactactag aggtaatgtt tcaatcaacc ttataatata attatatgga ttttgagtgt 60
 ctctgtctatt tttgttagca tttttaagtt gttacattt tatgtaagga aagccatatt 120
 gtagcaaaga gtaaagtata tttagcttga aagacatntc tatattatat gcttgtgatg 180
 catgctctta gtaagattac tttcatgata aatcctccta catttgatat aagaaattat 240
 aaacaagagt agtggtgacc tctctgattt agtgcttga ctgacctttn tgcatttgct 300
 cagtcaaggc aaggaggatg caaactccaa acttaanaac cgaaggaaga ttcaactctc 360
 atg 363

<210> 25873
 <211> 395
 <212> DNA
 <213> Glycine max
 <400> 25873

agcttagtct ctttacctat tgtgaacaag acatctaagg ctctggtaat cgattactag 60
 gcagtgtaat cgattaccat aagacaattt tgaaaaatag ctgtctaaca ggattatgaa 120
 tttgaattat gacctgtaa tcaattgatg tttgttatcg attaccagca acagaactct 180
 tgaaattcaa attcaaaagt catgacctt cataatataa ccgtgttatc gattaccaga 240
 aacctgtaat cgattactag tgaaataatc agaacaagct ttatgaatag acacatctct 300
 tctaaccatc ttgaaaaggc acaaagggcc tatatgtatg tgtgtctggt ttcataaagc 360
 aagagagaga tattccaaga gaacttcatt gtcaa 395

<210> 25874
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25874

accggcgaaa gaatcgaagn gggttttaat tatatgctta tncagannan cccgcccgga 60
 ggaatggaga gcctanggca aatggagaga atgagaatac aggacaaacc catgttgtga 120
 ttgtcgttcc tacatggcca aacttcccac caggtcaaca atatcattac tcaaccaatg 180
 tcatgccttc tcattaccca ccaccctatc atccaagaac accaaattaa ccacaaaggc 240
 caccctaaa tcattcagca ggcccgctg ccgcacatgc aataccaaac actaaccaca 300
 acaccaacca gggatgaat gttccagcat aaaaatctgt agaattcacc ccaattccgg 360
 tgtcatatga tgactaactc ccctacctgc tcgataatgc 400

<210> 25875
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25875

agcttacttg attatctttt aaagctctct agattcacac ctctggccc actcatcagc 60
 tctatggctc ctaagtttgg tctggtacca tatctgtcaa caaattcaag tataaaaata 120
 tcaattcttt aaccataaca cgatcatatat catcatgctg ataaaaatat ttttcaatta 180
 tactagacc agcatgatga aaataatgct caagtcctat tgagataaag ttctccataa 240
 atactcagaa gaaaatgata aggtgaaaaa actgaatttc tcccgtaagc taaaatcaac 300
 ttatcacttc agctttttaga gaagccagat agaagaactt ctatgaagga cagagtgcac 360
 aagttaattt taacttatgg aagaaagctc attcctttta ctttctgatt ntcttctcct 420
 ataagtgctt at 432

<210> 25876
 <211> 447
 <212> DNA
 <213> Glycine max

<400> 25876

aagcttacat acattatctt caaagatcgg aattcaacta atttcctccg atgcttctaa 60
 ctctgaaaat atctatgttt gacactaagg ataaagttat atactaataa tgataatatg 120
 tgtctctttt atctccaaca agttatccaa ataaataatt ccttttgttt ggaaggaaga 180
 ttgatagata caaaatgtta acatataata ccatgtcata agaaaaaaga gatggattac 240
 aataatcaac attctttttc aagtgtttgt cttagaataa tgatattcat catattcact 300
 ctctggatac aataattttt atctcatatt tactctcttt aatgttctct atctctttta 360
 ccacataaca tattatatct ataaattttg ttctttatta tattttatttc tctctatccc 420
 tatctttcat ccaccattga cctaatt 447

<210> 25877
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 25877

agctttgctt attattaaga tgataaaaaa ttctgatgag ggtggaaaag ttcaaagcaa 60
 gatacaatgg cacattcagt gactgaggca gagtatatag cgacaagtta agccgctgaa 120
 gaagttgatt ggatgaacag ttcatctctg aacttggtga gctaccttca ataggaggac 180
 cgattccact attgtgtgac aatatggagc tatcgtttaa gcaaataacc aagattacac 240
 cataagacca aacatatttt atgaacgtat cacttgatta gagagatcat tgaacgtggg 300
 gacatttaga ttgaaaagggt ggatataaaa gagaatgcaa catatccatt caccaaggca 360
 ctttgcataa aagaatttat caagcacaag gtggaagtta tgatgaagtc atgagtaatt 420

<210> 25878
 <211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25878

ttttgccacc cttacggacc tccttagcag cgacccctcc acatcgaacg atgaccctgt 60
 aagttctct gttttttgtc ctgcactttt cgatgccctt ttgcatctc gtgttaaatt 120
 ttttatttcg actgaaaccc attttcaatn tggcaaattt gagatgaccc atattggaag 180

atttatgtta cagcataacc cacatggcac gattttaaat tgcggttatt tegtgatcct 240
 tgacattgcg ggaaattcgc atacatgagt acaataacct cgatagtgac gcttgaatca 300
 cggttgcgga gtgactttta aaaccttgca catggtgatt tgagaaattt ggtgaaccac 360
 atgaatt 367

<210> 25879
 <211> 366
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25879

agcttgtggt ctatgtctca aaaccacat tagaagtaag acttatacca tattcacccg 60
 acaactcaat tttgtagaca ttatcattgt tcttgaccag tacttgaaaa ggaccatctc 120
 cttttggcat aagtcttctg aagggaaccg tttctttcct aaaatgcacc catacctagt 180
 cacctgggtc aaatgttact tttttctta ctttgtgttc atactatcga tacacttcta 240
 tttttnttct ctcaatttgg gcattgactt tctcatgcaa cttcttgaca tatgtgtgctt 300
 taaccttgcc agacttatct ttaaactcag aaatgttacg taaagaccac aaatacaaag 360
 gagtca 366

<210> 25880
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25880

agcttgactg agaaatatta tatgtctgag ctagatttct atctgtgcaa gaattgcatt 60
 tatgcattga gtgtagtgtta atttgtctct gtgcaagggt cactctaagt acacatatgc 120
 caaggagggt tagcacacta atagaagatt aggatgaaag ttactagttt tagcaaaagc 180
 aatttttact atttttgaca aaactctact ntatcctttt atagctagtt ttggaaaagt 240
 gaaagaagtc atataaggca tgactaagct catgggaagc acatcaaggg ttgtccaagc 300
 tgccaattag tcatattaat ggtcattcaa agtgcttaga ttaaaaagat aaggattagg 360
 ccttgcaatt ccattgggtcc atgcatttca cctacaataa gtg 403

<210> 25881
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25881

ntgcatgcgt aatctaccta ttagaggggn caannntatg atttatatgt tctgcgnnnn 60
 nccgnnnntt tctggaaatg tgcaatgaac tcaactcagcg acccttcaac gctcagtga 120
 ttcattctata ctcatcgcat acatgcattt ctgatagaac ttgttgagcg cacctgtcgc 180
 gctaagcgat tggatctgta gaggatgaat aatcatcctc tggataagta cttgtggcta 240
 agcgaggctg attcgccaag cccaagtaac ttagaaattt tttttgtcat gatagtcgtg 300
 cgctgagcta gtatccttgc gccaaagcgaa gttctttata acagtgactg ggctaagcga 360
 cccatttcgc taagctccca taaattagta gaatttgtga aaattgtact gtgtagtacc 420
 gctaagcgtg gctcacggag agctaagcgc acatcatcgt 460

<210> 25882
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25882

agtttcactg nctattctag taatgaccca ctaacctaga attaagataa cttaatgcca 60
 ttaacctagg gaattaaaaa aaacttaatg gctgagggta actaaaattg tgtgaaccaa 120
 aagacacccc caacagacaa caagtcagcc accatttggc ctcccaaaag gctgatgcct 180
 aggatgccaa ttgagccctt attacaactt gaactaaacc taactaaagc ctttttagtt 240
 gattaaccca aaacatatatt ttggtcagcc aactttacaa ggattggacc attatctaga 300
 caaactaaac actctaaaat cgacacaaag tggcgctcatt tagtcgctct tcatttgtgg 360
 catgatacaa c 371

<210> 25883
 <211> 248
 <212> DNA
 <213> Glycine max

<400> 25883

gagatcaaaa gccactccac aaacaagagc ttcaagggca atggacaccg acttaagcca 60
ttcctcacia acccttcttt agcggatgta gtgggtggaag agacttcctt acgccaccct 120
actcttcctc taccatgact tagggagttt ttctttctta tctccttctt tacttttatt 180
acatttgctc gaatctatct gatgggtcaa ttgccttcaa tctttcaatt gtgccacatt 240
gaggacaa 248

<210> 25884

<211> 396

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25884

atcttgattg agtcttataa caaggaaaac gaaacaaggc tcatataggc tatcanagga 60
attaatttaa ggtaagtcca ttgggctaga agcttataag aacaaaattg cctcaatcat 120
tttcaaatat gcatgtgaat tatgaagcat caagaagaat caagccacgg ctattgtgca 180
agcaatcaat ggggcaaaac acaccaaattg attatgggtg tggatggctc atactctcac 240
aaaggtaaac tcatcactct caaattgagc tgtcaaaact atcatgacat gtagaggaga 300
atcaacgata tcaagtcaca aaatgtcaag aactttttat tttcagaaca atcaccatt 360
tcttgaaaat atctataat tctaagaaaa acttgc 396

<210> 25885

<211> 210

<212> DNA

<213> Glycine max

<400> 25885

atatcggctc aagatgggct aagtgcata ttatgggctt gcacagaccc aaaaaatttg 60
tttagtggag acaataatct ttttatcaac ggtatacca acaccacacc atccatcatt 120
tatatagata gatagataga tatataccca gatattgcta ttgatccata ataaatcttt 180
cttcatttct gttccctgat atttgacatg 210

<210> 25886

<211> 249

<212> DNA
<213> Glycine max

<400> 25886

taggcgaaag gcagtaataa ctgaataaaa gaaaagtgat ctatggatga atgcttctac 60
aactaacttt gtcctataaa accatgatga tgcacacgct ggacagcact gcaacctcat 120
gggtccattat ctctacgcca tcatggctca tcattgggcc atttctctta tggctcttgc 180
ggccttcttt ctgatctctt acttccccctt acttactcta ccaagtcggg agacccgaag 240
catgttttt 249

<210> 25887
<211> 355
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25887

nccgcgggtt aacaccgcgg ggatgggaaa aaccttgagg taaccaaact atatggcctg 60
gaagcaaata cccttttggc aagctgnggt aaagcgaaaa ggcccgtacg gatggccttc 120
tcaacaagtc ctcaaccctg aatcgccatt ggcgccccgc cgccactccc tgcttacacc 180
tctgcgggtt caacgacttc tcgcatctc tccacctac ttcgtccttc gaacatcact 240
ccacgccacc gccatctcgg actcttctcc tctaccgtac cctgtctcac aatcccccat 300
cctccccact ccccgacgac acccctctta gccccatctc cgaccatccc gatcc 355

<210> 25888
<211> 59
<212> DNA
<213> Glycine max

<400> 25888

agcaccgctg atgtctcata gggaattcac aacttcatta ttagaggatc cgcgcatgt 59

<210> 25889
<211> 88
<212> DNA
<213> Glycine max

<400> 25889

agctcgtttg ttttctttta gagaaactct agagaaaggg catgcatcct ttcgtatcct 60
 atatcaccat tcattcttctt agtatttta 88

<210> 25890
 <211> 151
 <212> DNA
 <213> Glycine max

<400> 25890
 tactgggtac ggtatgtaga caacacacca gcttcttttc tgctttctgt cattggcaag 60
 cagaggggtgc tattcatcaa tactttcttt gctcagacct gcagacagct ttgataaatc 120
 atgatgctac cacactttca tttatctagc a 151

<210> 25891
 <211> 186
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25891

agcttggttt gttancattg caaaaggttt agcctagagt tgtgcaattt ggagactaaa 60
 ttaaaatgca agatgggtcc gagtaaattc agaattctac tcccttaaat aaaaactcgt 120
 tttttggaca aaaaactntg tcaaattgaa aggttgagaa aatcattatg gtttgtcttg 180
 ctcggc 186

<210> 25892
 <211> 186
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25892

ggagacacta cgctttcatg actcatcgga gancatcagg gcgggctgct agtggacagc 60
 gacagtacgc actaatattat tcagcaccaa ttggtgacct aattgagtct gtcgcctcga 120
 tccacaactt ccttgcggtt aatggcggtt aacagccagc aattgaagcg caatttccta 180
 tatgag 186

<210> 25893

<211> 271
 <212> DNA
 <213> Glycine max

<400> 25893

tttgttttagt atcacaagtc acaacacatc actcaaactct gtgtccaacc atgattttacg 60
 ggcatacatg tgctacacaa ttattgggtcc atatgatcaa cgtagaatg atgaaacaat 120
 gttaaattttg tgaatggcct aactcacatc acatcgatta catcgttttc tctaaagtaa 180
 ttcattttatt ctaaccatgc acaaccgctt ggaattataa ttcaagtacg atccaaatta 240
 atgcaactag actagattct ttatgaatga a 271

<210> 25894
 <211> 301
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25894

atagaatact aagcttgtac ccanagaacc catagaacta cctattgtgt taaaaaatat 60
 cgctnacata catgatgagc taatgggatg gcatgggtat ggcacgagaa aaatacaaat 120
 aaaggttctg tccttaacgt aaactatgtg aagccccctc ctagtccac ttaaagaatc 180
 cgaatgaagc catacacgta ggtacaaaat gaaatattaa tgtacaaatg cactcgctgc 240
 gccaatctat tgtcagtgtc actcacgtag ccacctttta tatatactac catcttctct 300
 t 301

<210> 25895
 <211> 282
 <212> DNA
 <213> Glycine max

<400> 25895

agcttaaata aaatattttac aattattctt gagacagggc agccctgcgc aaccacatga 60
 tctgcgagaga aacattttcta tgtggatgct gcttgagaga gtgagatcta ccttaaatgg 120
 tatcgaatgt aacataattg gtgtcagcta tgaaactttt aatcaacaac caaactgttg 180
 cgcttatacc ttttggacct gcttgcataa tcaatcgtag aattatcggt aggatggtag 240
 ttcaacaata actatttctt atctaagtct tatttctcatg tt 282

<210> 25896
 <211> 315
 <212> DNA
 <213> Glycine max

<400> 25896

tgcgggctaa gccgccaag acgcactaag tctagcctcc aagtagactc ctagcgctaa 60
 atgggttgatt tgacgcgttg agtgagctag ctcagttatt caaccttctt ccaggcctct 120
 tgctgtgaaa ttctaccaa aaaaaatata ccagaaaca ctataaatta actaattata 180
 gcatttactg gataaaaact catacgatgc taaattctta atgctgaaca caatagaagc 240
 tctaacagag aggcaaatta gataattgct gcgcgatcaa atattcaa atacatgca 300
 tagcaattat cactc 315

<210> 25897
 <211> 319
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25897

agcttggtga actatcatca catgacgcnt attgcataga ataagttgct ttctaagaaa 60
 cttgagattt tacagaaaca cttggtaagt ttccaactaa actgtttatt ggtcaacctt 120
 catattcttc tgttttgcatt attacagggt gtaccatctg tggtagaggct catgaaacag 180
 gacaatgtaa tccattgaa gaaaacactc aagaaattca ttttatggga aatcaacagc 240
 gacaagggtg tactcaagga ggattttcag gctgtcagta gggctcttat aatcaacaag 300
 gacactggcg ggtacaccc 319

<210> 25898
 <211> 278
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25898

acgcacatng ttcacgtgta tganatatac tttatatgct tcgaagtaga ggagaccttc 60
 aacctatag cgcaacatgg cggacaaaag tcgccagcta acttgaatgg tcatcattgt 120

caatgcggaa ggtattctac gcttcactat ccatgttçac acattattgc agctcgccgg 180
 tacgtgagca tgaactacta ccaatatata gatgttgctc acacaaatga ccacatctta 240
 aaagcttaca ccgcacaatg gtggcctctt cgcaatga 278

<210> 25899
 <211> 436
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25899

tatcctaaaa aaacaggaca tccttacttt atatattcag ttacaaaaac agaaaaata 60
 acanaataaa ctgtcatatg gattntagtc acagcccaac gattcactac cttgaactaa 120
 catccatata agacacaaac tgcacctctt gaacacacat gatcttaacc ctaacaatct 180
 acattgagca agcttaagca gtgatcaaac ttgctctttg gaactggctt tgtaaacata 240
 ttagcaggat tgtgcagagt gataatctta tgaactttga ttcttctttc tgaccgaatg 300
 aagtgatatc taacatctat atgcttggtt ctatcatgat gaacctaatc cttggccaag 360
 catatagcac taaggctgtc acagtagatg ttagcatatt cttgattaat ttcgagatca 420
 tctatcagac ctctca 436

<210> 25900
 <211> 417
 <212> DNA
 <213> Glycine max
 <400> 25900

ttaactctct tcgacgttct gtctataatg ccgttttctg tctgttttcc cttcaccaat 60
 taaccacat tcattactgt taatctatgc acgcttcgcg ttgattaat tgcctctgag 120
 cttaacttgc gttcatgctt agagaatgaa gggtaattg gtgtatgtgt tggctaataca 180
 cgtattgaca accctaagtt gattttcact tactaaatta aaataaggtt ggattaagtg 240
 gttaactggt agggacaaat tcttcataac ctaggacacg agaatgactt ctgaatcaga 300
 ggaaacaaca cgtttctaata actattaatt tcgtattcca ggtegttctt tctttaattc 360
 acaaaacaaa caacccacc cccccccga atattactgt tactgcagta tattatg 417

<210> 25901
 <211> 440
 <212> DNA
 <213> Glycine max

<400> 25901

tatccagaag ctcttaattc tttaatatgt atttctcttt taagctctaa gaaattggaa 60
 gaaattttga aaaatgaacc aacaaagata atgattgaaa ttgcatagta aaaaaattga 120
 gtatgagaac ctgcaaggtc aggatgtgtt tgggtgagct tgagccagtc catttgactg 180
 tagcctttct caaaaggaac tttggcccg accgttggct tcttaacgga attcttctgt 240
 gccggtgact ttagagacga aatgttagcc tgagttggta ctaattatgt ggaggattca 300
 tttggccgac tagaagctgt gctagttaca gtgaaagaca aagaaccaac ggtagcctcc 360
 ttctgattgc taaagcatta tcttgagcag tattagatgc atgtgaagat tcttctttaa 420
 tggaatatc agctatatct 440

<210> 25902
 <211> 326
 <212> DNA
 <213> Glycine max

<400> 25902

actcagctgc ctactgagga tgactcaaga gctttgttct actcacatta agcacacgcg 60
 ttctctcggt attctcttgc tcttatcatc gaaaggagca ctcacagccc gaaactactt 120
 gtgctgacta ttattgagaa cgccacgtgt gattaaacca ttgacccttg ccccttaga 180
 tactgggcta aagtaacagg aaggtatcca ttccctttca cctctttgt attttgatat 240
 ttatcacaga tctaacaggc catcggtcac acggagggcg ctcacgacgt cttcattttg 300
 cggcttatgg gggatatggt aaacgc 326

<210> 25903
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25903

ctanaccaa gcatgcaatc gattaataag tagcagtaat ttattaaaac aaataatttt 60

gaactataat accacaaaca cataaatggt aatcgattaa atcatggggt aatcgattaa 120
 aacagaaagt ttctaaaaat tgataaaaca cggaaacaca ttataatcga ttaacacgaa 180
 gaagtaatcg attaaaacaa tgaaaaattc gacataatca aattaaaaca tgtagttttc 240
 agagataaaa tcaactacac atcaccatac gaagacattt aaagaaaaat aataaacaca 300
 gggagcatat ataacaagct gcatgtacta agcttaacca tcattcaata ctagaccac 360
 ctaagatacc tagttcatto ctaatgaaga agaacctatc tctagcaaga ggttagtg 420
 agatgtcagc tagttgatg 439

<210> 25904
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 25904

taagaggacc ctcggtgtgg tagccgtaaa cctcatatgc cttattcaaa aggtgcttga 60
 agagagggtg acaaagatac gaaattggga tcacaaatct ttgagacca actccaccag 120
 cttcttctgt ctcttcttcc acttgaacag cgagccaacc cttcttcacc ttcattcttct 180
 ttcttgcccta ctgagagata gagcaaagca aaggaaccgt attattatag ctgctgagtc 240
 acaatggtag gtaatgtggt ttctttcttt tatatagaaa agatatatat atatatatta 300
 aatgggggta taaatttgta ataaaaataa ataaaaggga taataacttg atgctgtgtg 360
 tgttggtgtac gtgattcgga atcaaaatag tggggaaggc aagggacagt gccgtcccat 420
 tccgtaact 429

<210> 25905
 <211> 236
 <212> DNA
 <213> Glycine max

<400> 25905

tagatcaggc atccgagtca aacggtatgg ctttctgatt atgcacgggc attgcattac 60
 aacttttaat cggcatgata tattacgggc ctgatcgga catgcgagac aaaacttttag 120
 cccgaccag ttcagccgag acttgcattg taaattctga gcgcacgcga taggacactt 180
 ggcttattca aagagaccga ggaaaagata cggtcgcttg tataacgcga tgggct 236

<210> 25906
 <211> 439
 <212> DNA
 <213> Glycine max

<400> 25906

tgctctgaat ttacattgat gtttgtattg atgggtggag gttacatgcc atttttgctt 60
 taagagtaac gtcccactgg taaaactaac tttccaaatg tttgccttcg caggaatggc 120
 cccgaggaag cttgcctcaa agagggtccag gaaggacaag gcggccgaag gaactagtcc 180
 cgccccggag tacgacagtc accgcttttag gagcggttga caccagcagc gcttcgaagc 240
 catcaaggga tggtcgtttc tccgggagcg acgcgtccag ctcatggacg acgagtatac 300
 tgattttcag gaggaatatag ggcgccggcg gtgggcacca ctggttactc ctatggccaa 360
 gtttgcacca gagatagtcc ttgaatttta tgccaatgct tggccaacag aggagggcgt 420
 gcgtgacatg agatcctgg 439

<210> 25907
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25907

aaattcatta tggatgcata agctaagagc attctattgg cttctaattct tgcaactgga 60
 gcatatgttt cttcataatc tataccttct tcttgattgt atccttttgc aactaatcta 120
 gccttatttc taatgattat gccatgttca tctaacttat tcctaaatac ccattttggt 180
 cctatgatgg ggtagttttc aggtttctct actagttccc acacattggt tctttcaaac 240
 tgatttagtt cttcttgcac agcaattatc caatgatcat ctattatggc ttcatttata 300
 tttttaggtt caatcataga cacaaaagcc atattattgc ataaatcttt aagagaatgt 360
 ctagttgtta ccccttttga gatatcacca ataagtgtgt caaggggatg atcttttgaa 420
 gctttccatt n 431

<210> 25908
 <211> 436
 <212> DNA

<213> Glycine max

<400> 25908

tgtgattctt ctgcacctgt ataagagggt agctttcggt tcaattaatt tatcattcac 60
gtgatcaaga tgtagaatt aatgtcttat gtgagagaca tgtgggacta ataaataaat 120
aattaataat taaggactaa attgtaattg ggtaattat gagaagtgt tataaaaggg 180
gttaatatcc actaacgtga aataaagttc ttttctgac agaaaaatgt tctctctcac 240
catagttatc acgaacggag agaggcaaaa aagaaagggt taaggaagt aaatcttatt 300
tatctcatct ttcaaggaaa tctaagtaca tcggagaaaa gtcttcttat gaagaaaggt 360
acacattatt atctatttgt ttattgatta tttgtgagaa tcatagggtt caagatcttg 420
ttatttctta taatta 436

<210> 25909

<211> 192

<212> DNA

<213> Glycine max

<400> 25909

taggagagag ggcgacttat atactaaatt gccaccacaa acatttgtaa cccaactaca 60
acagcctcca tcgcccacaa atccacatga acagcgatcg aacacccaca cagctaggaa 120
cccttcattg gctactgaga gatacaccag accagaggat ccggatgata acaactaccg 180
taacacaatg gt 192

<210> 25910

<211> 437

<212> DNA

<213> Glycine max

<400> 25910

gacactatac aagactcatg ctgatccaga gaggacctta tatgcttttc ttatgtgttg 60
tatgaaccta tctttgatac taagatgata ataacagggt cttgcggtgg aaaacggcga 120
catcacgaga ggcactgggt tcaactgctac actgactctg cctcacacaa cagctattga 180
tttcaggcaa acttcacaaa cgacatttct attgattatc aagcataata tgggtgtgtt 240
aatattgagc aagactctga cttacttcaa tccttaatgt ggcaatataa ctagtcacat 300

gtaacattaa gtcagacata ggtggcttcg gatatgctct cttgaagagt gcgttctgtt 360
 gcggcacttc tgtgcctgat gtgaaaaggc catcagacat ctgtccaaag catgaaacgc 420
 gacacctttc agaacac 437

<210> 25911
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 25911

tttgacggac tataccaagc tctatgtaac ttgggtctga gaaagatcta tatataggct 60
 tgctaagggc agagagagga agactagaga ttggatcaa gtaaagtgtg ttaaggatga 120
 agaaggcaaa gtcttagtgc atgaaaaaga tatcaaggaa aggtggaagg cgtatttcca 180
 caacttattt aatgatggat atggatatga ctctagcagt ctagacacat gagaagagga 240
 ccggaactat aagtactatc gtcggattca gaaacaggaa gtaaaggaag cgttgaaaag 300
 aatgagtaat ggtaaggcgg tggggccaga caacatacct attgaagtgt ggaaaactct 360
 tggagataga ggtcttgagt ggctcaccga actctttaac gaaattatga ggtcaaacg 420
 catgcc 426

<210> 25912
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 25912

tgaccaatcc tgaccaacc cgggcatagt tggtcattgt taacctgtga tgtacctaaa 60
 caggcgagct cctggcagtc aacagataaa aggaacaaag accacaaagc aaggaggctt 120
 atgggtggctg gccagctgtg aactttgtgt gatatatggg ttattgcctc tggtaatcga 180
 ttaccaaggg tgggtaattg attacaaggc ttaaaaatga aggcaggagg ctaagatggc 240
 ctctggtaat cgattaccaa ggggtgtaat cgattaccag gcttgaaaac gaggtcagga 300
 aaccagatga gcttctggta atcgattacc aaggggtgta atcgattacc atgctta 357

<210> 25913
 <211> 380
 <212> DNA

<213> Glycine max

<400> 25913

tggatacggg tctgtgagta atcgcttagc tcacataatg atacgcaacc tattcgtaat 60
actgggggttc atattagact gaaaaataag ggatgacaca caaaggacag cattgacagc 120
tgctcacact gattcattta caatgaggat gaagtatctg ttttggtcga cgaaagtatt 180
tagaacttca taaaaaatgc cttttgaaaa taagtagcat gcacctttca aatcaacttg 240
aatcagaac aagtcacaca aatgggagct ttacctcaa gaaatttgaa gtcagggttta 300
atggtacaac agatgccttc ttgtgtcaat aaagaacgaa ttacaagtga aaacctttct 360
gggattcgaa tgggataatc 380

<210> 25914

<211> 438

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25914

tagagctcca gctaattact ttgtgtcat catcgtatat tataagggtta attcaaaaaa 60
cacatctcat tataagggca aattataaag ctttataaga attggaatta gtacttaatt 120
atcatgtcgt caaattaaaa tggtagtgag gatgttacat ttattaagac ctttttttga 180
agaacagtgt gaagaattct ttttatacaa ccaattgggt tacaacctga aggagtcttg 240
tttgcattgt aatgaaaat atttacgaca tcaagtcacg aagactcatt ccacaagtca 300
aagagaaata aaagaattca taaaaaggta tgtaaagatt tcgatgagga agattaagac 360
gtacgttgaa tactttaatg ttctgattga cgaanaaggt atgtttatta aaaatatcgg 420
anagagtgga gaatgtct 438

<210> 25915

<211> 435

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25915

tatattgatt ntctcccatc ttgaactgtg gtatatatgt ttaattagt gccattatga 60

aactggcaaa atttgttggg aaagaactgt tccgatggat ttccagcgat cagtataggt 120
 tcctgttcca gtgttcatct cttcctctgc aggactctaa tcatatttta taaaaaaggc 180
 agtttttacg gaatagtggg aagaaacaac ttaatccaat caaacaatta acaaatatca 240
 aaaaattatt ttaacagtaa atatcaatca atataacaaa ataaatatta aaaaaatata 300
 gttgtgcata aattttcatg aaaaaaatca acaaaacctc ttttatgttt taaataatta 360
 aagaatacat gattaaatag ttaaagagat atcaccatgt tcaaattatc tctatttctca 420
 acatttatta tgcgt 435

<210> 25916
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25916

tactcaagct agagagtgaag agacaaggaa ttatcacaag ctacttatgt atcgattgta 60
 nggaccatac taaatgcatt ggacaagacg tccacacacg cttaatcttt catcctttgt 120
 tatgcaaaat cattgtgtga aacctgcatt accttatcat atcctatcta taagaggtga 180
 atgattgtat tcattcaaac attagtgtgg agcgagagcc taaaatgatt gactattgaa 240
 taatacatgg gtgatcttag actcacagga cgcttaaaag cgtgccgtat atggacttga 300
 gattcttata gtacccatga gtagcgagtc cgaatacttg ttcttaatca acgtgag 357

<210> 25917
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25917

ggcggactat accttcaacc gaacacggcc gtgtttctgt ctatgcccg attcaaggcg 60
 ggctgcagca ccggtccgc ttcccaaact gtactggagg cggttgcggt ggctttatcc 120
 tctatggttt tctggagttt taacatgacc tccgagatgg aagccatttg atcttttaag 180
 gccgatagat cggccttcat ctgttctgc acacctctt cattatccat tttctggatc 240
 gagtgttata ggggtgcctt ggtgttttct tagttatgat gaaattccta aagaaataaa 300

caacgatgag tatgccacca aaacatgagt atganaatgg atgatcggag cactnggatc 360
 caccccaaga ttnttagata acgtaatgag tccagaactt ctcatntat aaaaagaaca 420
 aagctntcat cta 433

<210> 25918
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 25918

tgttgacacg tggagattta gggtatcttc cacgctatca atatctgtca tactgacttt 60
 tgcttcacgc tgacggccgg aaataccga gtggttatcc gtataaactt ttgcatctt 120
 gtaagacgaa aagcctgata acacgcagag actaacatcg tcttctgcga ccttcgtcaa 180
 tcgcgccga caagcccggt gacacgtgga gatttacgtc atcttccgcg ctcaacaagat 240
 ctgtcactact gacttttgag tcacgtgac gggcggaat acccgagtgg ttatccgtat 300
 aaactttttg ttgtctgtaa gacgaaaagc ctgatagcac gcagagacta acgtcgtctt 360
 ctgcgccctt cgtcaatcgc ggccgacaag cccgttgaca cgtggagatt tacgttatct 420
 tccgcgctca caa 433

<210> 25919
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 25919

tcctttctat acccgcttca gcaaagtca ttttatttcc cttcaccacc caatagacat 60
 gatgctcaat ctccattgga agatgacatg ccttacaaa aaccacctta tagggagaca 120
 tcccaaagg tgttcggtaa gcggtcatgt ggggtcatag agcatcctca tgtagcttgc 180
 tccaatcctt cctattgggt tgcattacct tctacaacac ttgcttgatc tctttattaa 240
 aaacctttga ttgccatta gttcaaggat aataagctgt agcaactcta tccacaacct 300
 cataactctg gagcaaggat gccaatgacc tggtacagaa gtgggtcccc tggtcactga 360
 taatggctct agacacacca aacctactaa aaatgttaga tctcacaaaa tccacaacaa 420
 gtttagaatc att 433

<210> 25920
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 25920

gcttgaggtc cctatgcatg accccaagcg agtgacacgc ttcaacaacc tcaacaatcg 60
 tctttatcaa cctcgccgcc tgtctctcgc tgtagtgtcc cttctgcacg atcctgtcaa 120
 acaactcccc accctcacac aactccatga cgagggtgcac cgccgaggaa tcctcgtagc 180
 tcccttcgat gcggacaacg tgcgcgtgct ccgacaagtg gtgcattatc tgaatctccc 240
 gccacacgtc ctcgtagtcc tccttgcaaca gcagcttccg cttgggaatt gacttgcaacg 300
 cgaatttccc cccggacgcg cggcgcgtgc actcgaaggt agtcccgaaat tgaccctgcc 360
 ccaacttccg cccacactcg tacacctcac 390

<210> 25921
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 25921

atctttcttcc acaccaatcc gattagatga tttatgtttt tgctaaatga tacatgcggt 60
 ttggcttcac agtctccggt agcaccaaat ccaattcctg ctgctagaaa atgaatccaa 120
 tgtttgatgc aaccatgagc taatgaacaa atcctatggt gtcattcatg acacagattc 180
 acctaccctc aacttcggac caagtaagag acattgagga agagtgcga atatcttgga 240
 aagttgggtg tgacgtatag ctaaaatact gagaatattc agacaatata tcccttgatt 300
 tcaactgttg gagcaaatac gtatccatat tctcaatttc tgagtcgtct acctattct 360
 tccctctaa aacattcacc acctgtctca ttgtgggtct ggcctttggt tcacggtatg 420
 cacac 425

<210> 25922
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 25922

tctaaacttt atacaagaat gaagctctgt taccatttgt tggacaagtg gcctcagata 60
tcttaagaag ggggggttga attaagatat tacaaattat ttccccaatt aaaaattcta 120
tttaactttc tattcaagtt ataaattccc ttaataatga atttcttaaa tattgattca 180
aatagaaaaa tttgaatatg aatataagac aataataaat aaaggagttt aagggaagag 240
aaagtgcaaa ctcagattta tactggttcg gccacaccct tgtgcctacg tccagtcccc 300
aagcaacccg cttgagagtt ccactatctt gtaaattcct ttacaagtt ctaaacacac 360
aaggacaatc tttcctttgt gtttagaatt ctttcacaac aagagaccct cgtctcttta 420
atcccttttc 430

<210> 25923
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25923

tgattatgag ttgattttag acgtttcttt ctogtttatg cnccaaanca tgaaaagagg 60
acttgcaaag taaatgaccg gctgaaactt tgtttttcac tgattaaccg aggtaacaac 120
acaaacgatac gattgaattt tattttaacg gtgattaaat gagattacaa cacaacaat 180
cggttgacat tcatttaaac ggggattaag tgaggttacg gcttaaacga tcggtcaaaa 240
ctcgattaaa acatagaaaa tgatcaccga tggtaaaaga atgaagatga agacatgcga 300
cgcaaggata gaccccgag ggtgcataga atgaattcac aacttcaaaa aatagaaact 360
aaccggtcga agaacgaaga acgatgaata acggacgaag aacaatcac 409

<210> 25924
<211> 438
<212> DNA
<213> Glycine max

<400> 25924

ttattttag tagtgattct tccctcttcc cctccattac tctaattctt aaaaaacca 60
aacctcttcc gccctcttcc agtggatttg agattcacta tttttaacat ttcactctgt 120
atatgttttc attacaaaat agaggcccca tccacaactg aagggtctcc gcttctcctt 180
tcaagcgaca gaaatttccc aataccactt tgaacttcta caacctcaat atttagttgc 240

tggaaaatct aagttgaaag ttaattaaga aaaatagcac acataaatat acgtttaaaa 300
 taaaacacct tgagaaaaat gaaattgctg ataattggaa aatctaagct gaagctaattg 360
 ttgctgcgca tatttggtt caattatgct tccttttatt ctcttagcta ttatgaatca 420
 tttgtgcaat cactacaa 438

<210> 25925
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 25925

tatgctaagt aatgaagaat tcatgtttat gcaaattaca ttcttaaattg gtgaatgaaa 60
 agctcaaaac atcacacaaa ggaaatgtta agcataaatt aaattgagta tatgaaaatg 120
 tatatcacca taaaaagtat attctttccg tttcatattc ctagtttttt tttcttcttt 180
 taacaatatc atagttaaga ttatttctag aactaatggc taaaaagaat cttcataatc 240
 tgatgttttt tcattaagct tattttaaaa gcattgttaa caaaatgcag aaggagttaa 300
 agagtaaaag aataaaaatt tggattaaaa acaaaacaga aagtatataa tacaatttag 360
 cttgtgcagt gcagtacaag tctaatactt gaaacattta actagtggaa aactaacaga 420
 gaatataagt gttgaaag 438

<210> 25926
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 25926

tccacaacat ccaagcataa caacattcaa acagcttagt cttctttgtc aagcaaaata 60
 gagcaaaggc agaaaactct gctcaaacac caacaaaat cacagctttt ctcacttaaa 120
 gaccagtaa caattccttc gatccaattc gtataaccgt tggatcaact ccaaaatttt 180
 actggaagtc tatagtgcac aagcctacat tgtgaccgta gggatctact agaaaatatc 240
 cagaactgat tctgcactac tctttccaca accagcaaaa acatatcatg tatctgcact 300
 tgtgcaaaat cctgctgcac aatttcacag cataaatctg cacaaagtgc agatttcgaa 360
 attcacactt cctctcatgc aat 383

<210> 25927
 <211> 437
 <212> DNA
 <213> Glycine max

<400> 25927

tccatcaaaa caacaccaag aaacctgcaa ttaaattcca tcaaaacca attaattcta 60
 acgaaattgg ataaaaatca taccaacaac aatatcttct aaagcgtcca atatcagcaa 120
 gtttgtaaga aagttttctg cgatgtctat ccatcatcaa gcggaaaaat cagccaaaaa 180
 tggttattta cgcctagtgt agactacctt cttcataaga acttgcaaga gaagaaaata 240
 agaaagtaaa atgaattaaa cttttcccat aagttaaaat caattcatgc acctcaactt 300
 ttggagaagt tagatgagag aacttttata agagttaagt acataagtcg atccaaaaaa 360
 ggttttaggg gcacttcaga tacgctcaac aaaactaaat gcaatagcac acaaaaacat 420
 caacaatgaa agaatcg 437

<210> 25928
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 25928

tactcaagct ttgcataccc caaggatcca ttaggaaatt acttgттаат tatagtctga 60
 ggggtgggctc atggggcact ttgggataga caagaccctt gccttactca aagaaaagct 120
 ttattggccc catatgaaga aagatgtcca taagcagtgc actaggcgtg tggcttgттт 180
 acaagccaag tctaggtga tgtctcatgg gctatacaca cccttaocca tcccatctgc 240
 accttgggta gacattatta tggactttgt ccttgggctt cctagaacct acagaggtgt 300
 aaactctatc tttgtgggtg cggataggtc tagcaagatg gcacactcta taccatgcca 360
 cgaggtggat gatgct 376

<210> 25929
 <211> 439
 <212> DNA
 <213> Glycine max

<400> 25929

tatgcacagt gcccttcatt gcccaagtgt ttggctttga ggtatcaacc ttgtcttttg 60
 tcatgacctt gtagtaagga agaaactatg caggttctca aaaatgaatt ttcaaggaca 120
 agaaacatth gaaggattth ttttttcaat tgacaaatta agtcaaatga ttcctattth 180
 tgataactca cattctctct caaaaaagat aaactttcaa gaatgataaa atgagggtcac 240
 atgaatgtct gtactttatt tgagacacag tcaatcaaat gttttttttc ttttattttg 300
 aaacttattg ttttgaactt tactcatcgt tttacgacac cctcaccaaa tgtgtagcac 360
 gagtaatttc tgattgaacg gtcttggaag tccaaactca agagcgcagg tcgcttgagc 420
 aaacaaacca atgacttgc 439

<210> 25930
 <211> 440
 <212> DNA
 <213> Glycine max

<400> 25930

tgtaaagaac actcttaata agaatttgct gttgttttta agttaacact attaattata 60
 agtaaagag tacttccaca aataatattg tggaagagaa gtatagcaca tacctgcaag 120
 atggagaatt gataagtttc cttatcaagg gcatacacia taaaattttc aatggatagt 180
 ttttgcaatc tgcaaaccac actcatgagc atatccttgt aactatatcc agcaatggta 240
 agtataactg ttttagtttt gtctgcagtg atagacagga gttattctaa ggagaatgga 300
 agctccaggg ttggtggaat tttcctccga accttcacca agcaatctaa tgatttggtc 360
 tgtgatttca tacgatcaat gcaatacact gtattttcct ttaaccaaga tggaaaaacc 420
 ttttccttca tcaagttcat 440

<210> 25931
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 25931

tggtgacata aatttgacag tatgccttta atgttggtga gtgatctttt gtcatgcatt 60
 tgtactatgt tttgatgaat gcttttccaa attcagtgtg ttgactatca gctacagtgc 120
 aaccatacaa taaccaaact ttttactatg ctatctgata aagatgattc catttttgaa 180

tatgtgcaga aattttgaaa ttttgatatg gtttatttca ctttgccttg ttatcatcaa 240
 atggaatttt gttgttaact tttgcttgct ggactttttt gttgttaatt cacctaaatg 300
 atttggctta aaccagagag gaagcatttg gacctgttgc acccagagag gaagctatca 360
 gaattactaa tgacactaat gcaggtagtt catttggttc ttctttatac agccttgaag 420
 aat 423

<210> 25932
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25932

tggttcgagg tacttaccg ttgaagatcg aagaatgatg attaacgaat gaagaacgtc 60
 gaagaacggt tcaaaccttt gcgagattcc tcacggaaaa cgttacggaa acgtttcgga 120
 agcgcctcgg cttagatttt cttcacggaa acaatttttc caagcaaatt cgaaagagag 180
 agaagtgcct aaggggttgg accccttctt tcttcatttc ctcccttatt tatagcaaaa 240
 taggggaggt ggttgccgcc cagctcgccc atgcgagcag ggttgcttcc tccagaagca 300
 accgccttct ggaggaatct tctggagggc ccaaatgggc ctgggtgcta tttgcacca 360
 catttttact aagcacaccc ccctctgctg ttatttggtg attctttntt cgtaaagcta 420
 cgaaaactta 430

<210> 25933
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25933

tgagcaaaac caaaggtacc gtctttttca tatttttttt ggcatacaacc aaagataagg 60
 attggtatct tatgtctttt ttgtggtcct ttgtcatatg atcatcagtc cttttcttta 120
 aagtaggcta tattgaagtg aaggattttt gtccagtata gttttaagat gacttgcgtc 180
 aagaaaaaag ttttaagatg actttaattt tgttttagtt gtagtagaga agcaaaagtt 240
 acaatattac ttaaattgaga ggaaagaatt atgcttcact tcagcaagaa gactcaaagt 300

gtagaaacac gtttggctga aatttcaaatt attgacatat atattaaggt ggtcgagtag 360
 taaaaggggtg caaaaatttg gaattctatg tatgcgtggt acanaaccag tacaacctac 420
 atgcta 426

<210> 25934
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25934

tcacaaaagt ttatatggct tgaaacaagt tccgttttag tggtagaaga agtttaatga 60
 gttaatgagc aactcgggat tcaaaagatg tgacatggac cattgctgct atgttaagaa 120
 atatactaatt agttatgtta tctttgtcgt gtatgttgat gacatgttga ttgtaggac 180
 tagtatggca gaaattaaca agttgaagca gcagttggca gaaaactttg aatgaagga 240
 tcttgggtcca gctaaacaaa tcttgggtat gagaattctt agaacagat cagaaggaat 300
 cttgaagctg tctcaggaga aatatataca caaatggctt gacaggtttt accttggaga 360
 ttctaagacc aggaataccc ctttgggacg tcattngatg ttttcaaaga agcaatcttt 420
 gcatacagat g 431

<210> 25935
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25935

ntgaaaaata cctgtgcttc cgtaaaacttt atttttttat gtgatgcaag cccagccaaa 60
 tcatgctcca tgtattcgaa aacaaggat aagctgcaag acatccttga tgtaacaagg 120
 ccttccagtt ttatgacatt tggatgatca agcctacgta gaatgtgaat ttcccttgcc 180
 atgaagcgaa cactctctgg ctcaagatta tcaaacctga cttttttcaa agcaacaatt 240
 ttattttgct caagatcacg agccctataa acattactat aagttccctg tccaatctga 300
 aaaataagga ggaaaatctt accattcaag gaaaactaaa acaggctgaa gacaatatca 360
 tcatttaatt gcaatccaag acaaaaaaaaa acaaaaagga tatctataaa tctagaaact 420

ac

<210> 25936
 <211> 435
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 25936

tggctctattt aatttaatat gcttttaaaa aaatctatag tttaaccttc taattaaata 60
 ggccagttca ggccaggctt tatattgacc tggttatagg cccctgtagg ccagtctaac 120
 ctattttccac ccctaacaat ggtaaaattg gtatattaat aaaaaaatta aaaccaata 180
 aaaccaacta atttacctat tttttattga ttgggtccatg taattttggtt acaaagtca 240
 taccctaagtg tattaaatag atgaaaaata acataatttg aaacaagtta tcgaaagagt 300
 ccttatttttg ggaagaaaaa agtgtgtcan aactttctta ctttatattc catccattgc 360
 atattatatg atgtataaaa ttntgacaca tgtattaata aatgaaatta ttatcttgaa 420
 actacctttg gttct 435

<210> 25937
 <211> 479
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 25937

catacgccca cgcgacacgg agaaacggac acgcgnaccc cataaaaaana nnaaaaganc 60
 aagtttgtgc tcgtgacacc cggaccnaaa acaccggcga acacgaaaaa ggcgaggaca 120
 caatggtggg ccccgacgac aaacaagaga nggcagggca ggaggaccca cgaacaccaa 180
 gcagccaggg gggaccaaca aaccaaccga gacacaccac acagacagcc agcaagagcc 240
 gcggggcccg aaacaaaaaa cagccgaaag ggagcaccgg agaccaccga gccgaacgca 300
 aggaacaaga cancgaccgg accgcggggc aaggcgaaag gacgcacccc ggacggcaca 360
 cccccgaag gcgcaccgac aacaaaaaca accccgancg aaaggccaca gcaccaggcc 420
 agaccaagcc gacaacagac cgagcgaaca cgaccgacca gaacgaaacg agccgagcg 479

<210> 25938
 <211> 283
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25938

ctcagctctc ccctgttgc ggtccccttc tccgatggat gttnttttac gagccagaat 60
 gataaatgta gcataaagggt tatacttcaa tgtttattgt tatacatctt atatatatag 120
 gtatatctat attgtgtcat ttggttgcac atgcgcacgt aatatgcatt agtggttcta 180
 tttggacagg cactcattgt cacatgagaa gcgagcacac ttttagcgct cagccatata 240
 tttttgcgta ggatgacaag ccctataaac tgtgctatat gtt 283

<210> 25939
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 25939

tagggttgtg ggccacaatt ggccaagcca agaattatat ttttgattca agcttctaaa 60
 atgaagcaca agcttgatga aagcctaact tttgttgaag ctttatgcaa ctaagctaag 120
 atgggtccaa agtctaaaaa gaccaaagt aagaaacttc taaaaattta aaactagaat 180
 taggaaagca cttatTTTTT aaattttcaa aacaagttaa aatgattttg taattcaatt 240
 aaaaaccatt tccatccatt tgtatccaaa caagatttat tttcaaattt aagtttaaaa 300
 acaaaaaagt tagaaactta caactacat acacgagatc taaaaactac aaaacttatt 360
 gtgattttta aaaagagagt ttaatactta tatattgaag gtaaaaaaat cttatattgt 420
 tatccaaatt 430

<210> 25940
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25940

ntgacaagac agtacacact gctgtcttct acaacattat aaaatatgga aatctactct 60
 aaagatacat ctaataatac ccataattat aacactcccc ctcaagctgg agcatataaa 120

ttatatgcac caagcttgga acatataaac tgaattctag gcccccttaa ggatttagtc 180
 aaaatatctg ctggctgac attggaatta atgaattcag tgacaatctc tttagacagt 240
 agcttctccc gaataaagtg acagtcaatc tctgtgtgct tggttctctc atggaagact 300
 ggatttgaag caatatgaag agcagcctga ttatcacaat acagcttcat ttgcatcact 360
 ttgcagaatt tcaactcttc aagaatttgt ttgaccaca taagttcaca tgtaactaca 420
 gccata 426

<210> 25941
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25941

tagaacaata tacttggcct tcgtttaatt gtcttttagt ttggcggcca tgatcaacaa 60
 agtactttcg acacctacta tatgttgact taaccaacgc tgttattggt atgctgacg 120
 aatctttcaa caccttattc acacattctg agagggtggt tgtcatgtga ccatatcttc 180
 atccaaatgt atcgtaagcc atgctccatt tttccttga aatgctatca atccatgtta 240
 ctatggctgg actcaattga cgaaattttt ctaagttttg atcaaacaca tgcttgcaag 300
 gagtgtacgc tgcgacaatc tttcaacacc ttattcacac attctgagag gttggttgtc 360
 atgtgaccat atcttcatcc aaatgtatcg taagccatgc tccattnttc ctttgaaatg 420
 ctatcaatcc atgttact 438

<210> 25942
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25942

tagctcgttt ataagggcga ggaccacaga tggagttggt ctctatttgn cacatcaacg 60
 agagctttgt cgggtgaaga tggatgcatg aatatcaagc tgccatgttg gacgaagaaa 120
 ccaaccaaga ttagccaaat tgggtgcaac catgttcccc gggctttgaa ttgaaaaatt 180
 agcagatcat ggagcgacct gagatttctg tgtcggatcc aatgtaatca agtagtttgg 240

accctattgc tgggcctagg ctttaggggc tgctactctt gttgggcata cttttcttta 300
 atgttccaac gactatctaa tatacaaccc tttattgata tgttccctct cgcacctttg 360
 tccatttcat tcttctgcat atatatntc gntgcgatta aatgatttga cgcagatctg 420
 atgatgagtc ctatg 435

<210> 25943
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25943

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 tgaaagttag gagtgacttg gtgacaaaga atacttgggt cttaatctct gggaagatta 120
 agggtagttc caagagtggc ttagagagta ttcgtttag tcagaagtga catataaaat 180
 acttggttgt aatcaaagat ttgattagtga gaacccttca agttttgaag gagaactaga 240
 cgtagcccaa gagttggggg gaaaaagtat aaacctttg tgttttcttt accactttta 300
 tataactagt tcattctaca ctaccgtgtt caagttttgt aatttaaaca caaagtgatt 360
 tcgaatccct tggacgaatc tcatcatccg ttgatatctg tttcagaaag actntcaaag 420
 tttttg 426

<210> 25944
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25944

ntgcctctga gatatagtca atgagcattg tatagtttgg atttgatcat atgatcagta 60
 aaatagactt ttcatcacat attgtatttt ttttttcaac atatcctgtt ataattattc 120
 ttgcaatcac tggatttgtc tatcttattg tctaggaggt gtgcaaaagc ctcttatgaa 180
 ccaaactaca aaaaatcaaa cttaaaataa ttttaataacc gaaccatttt taaaaaaca 240
 ttcagctacc tgaactgatt tcttaaagga agttgttgaa ctggatcgaa acttanatac 300
 ttaatatcaa attacatatt ctggagattc tgaaccatt gttcaaatt tacaagcact 360

aacctatcag aaacttcgaa tcttgcccca aatcatctag gtgaagtcga tatctcatac 420
ccaaggttat 430

<210> 25945
<211> 421
<212> DNA
<213> Glycine max

<400> 25945

tgtagggtta aagtctcacg attgtcacat gtcacgcaa ctattgttag ccgtggctat 60
acgacacatc ttgccaaaca aagttagggt cagcataact cgctgtgct tttcttcta 120
tgctatatgt agcaaagtga ttgatatagt aatgtttgat gagttggaaa atgaggccgc 180
aattatattg tgccagttgg agatgtattt tccccctgct ttctttgaca tcatgattca 240
cttgattgtg catctgggtc gagaaatcaa atgctgtggt cctgtttatc tatgggtgat 300
gtaccgggtt gagcgataca tgaagatctt aaaagggat acaaagaatc tatatcgctc 360
agaagcatct attgttgaga ggtacattgc agaagaaagc cattgaattt gttcagaata 420
c 421

<210> 25946
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25946

tgagaattag caaaagggtt ctgattaatc angatttgct tttgcttgng agaaagaagg 60
acaaccttgt aaaatgcctc atgctatagt gaacttcaca gtgcaaagtc ttggtgattt 120
gcttattcaa gaaggatgat gatagttcat aggcctttat tggtaaattc gacatgtcca 180
tctatttgcg actacattta aatgtacact taatattctt tcatctgcat ttcccttgcg 240
ttaatatggg ggttggtctt ttcagatgat ccttttatc ttactaagtc gtattataat 300
gtcttaatca tgttatgttc aagtcacatg cctcaagtca atctgacatc agtagtctcc 360
aaaacttagg ataacatatt cttaanacgt ggggggtataa at 402

<210> 25947

<211> 421
 <212> DNA
 <213> Glycine max

<400> 25947

tggatttact tttagtaggg aatctatctt tcctatgatg gagaaaagaa gttttgttcc 60
 tagcttagcc cataagggtt tccagaagtg gctaaggaac ttagcatctc tatctgacac 120
 aatggtccta ggcaaaccat ggaatctcac aacttccta agaaagagtt ttgagatgtg 180
 ggaagcatca tccaccttgt ggcattggtat aaagtgtgcc atcttgctaa acctatccac 240
 caccacaaag atagagtcta cacctctttg ggttctagga agcccaagga caaagtccat 300
 actaatgtct acctcaagggtg caaaggggat gggtaagggt gtgtatagcc catgaggcat 360
 caccctagac ttggcttgta aacaagccac acacctagtg caatgcttat ggacatcttt 420
 c 421

<210> 25948
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25948

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 gaccacaaatca gcctcagatg caaggggttg ggcgtaagcg cttgagactc acgcttaacg 120
 catgacacaaa gatgtgctta acgcgagggt tgcgcttaac gaaagcactg tttttttctc 180
 acaaaaaatg tcctctgagt tattgttcag tcctttctcc acgaaattga aacccttatg 240
 ttaaacattc aaagataggc tgatatacgc ctatgtacaa attatatatc aagttccaaa 300
 tgatctaattg catgaaaaaa agtatagaaa ttaaaactgg gttgcctcct angaagcact 360
 cttctaactg cattagtacg acacttttac ctcaactctga gatcttat 408

<210> 25949
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25949

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 agcctattta aagcctgtct tgtgcataat tagggtaaaa actttaaaaca gatgattggc 120
 acagattcta gagcacacta tagggcctac ttcaagaaaa gagctctgga ggcagcaaga 180
 ggagcaactt ttacagagat acctagggtt tgtaagctta ttattgttag ggtttcttct 240
 gtaatgggtg gctaaacacc gtagttaggg atttttaatg aacagctgat gtaaatacct 300
 aatatctaata tgattatggt ttctgtgttc aatgcttctt tcaatgctta atgtttgtat 360
 gcttttggtc tgatcatcca tttgtgtgca tagctagggt actntaacat tngatattgt 420
 act 423

<210> 25950
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 25950

tgactcacac caaacatggc aagttaaca cgctttcaat ttatcttttc acaattaact 60
 atcaciaaagc ataaaccaag taaaactacc catcatatct cccaaagccc catacccacg 120
 aaaatttagg tgagaagaag tctacccaaa cctgagattt tgagggtcca cacgtagaga 180
 tgcgcttcac gactccaaaa atgcgttctt ttcgagattt ggagcagaaa tggtagacca 240
 aggttggagc tttaatggag gcttcaatgg agaggaagaa gatagaagaa gcaacgtgag 300
 ggagagggag atagcttctg aaattttctg ttgagtgtg agagagagaa aacaactttt 360
 tggattaaag aggctatact atgttctatt attatatcat aagctatgcc acatgtctac 420
 atttgagtgg a 431

<210> 25951
 <211> 294
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25951

tactcaagct tgttaacttc aaattttttg gggggaggga ggggggttatt ataatttatt 60
 gacatanaac agagngagta aattgactag actggaaaaa ttacttcctt tggattgtta 120
 taaaggaaaa gccttatata tttatatcgt actgggaagc agtgtcacia atacacaggc 180

tacagatgtg atccaccatg cggacatttg cttacttgat gattgttaat caccaattca 240
acaatactat aaacatgtaa ttcacaaaac gaaccgaaaa tgcttaatca catt 294

<210> 25952
<211> 403
<212> DNA
<213> Glycine max

<400> 25952

tccgttcccg agagcatctc ttatttaagc atttcttctt ttgctttctt gtagcttagg 60
aaaaatccca tttcttcttc tttctttctt ccaaattccat ttctaaagtt ccaagtactt 120
tctccatcac ccacaaatca tcatttttct ccattgaaaa cccacaccga gaggaaccct 180
tcaaccgaag cagaatttcc aacttggtt gcggtttcgg tagagaacga aaacccta 240
atgatcttct gttttcttct gaggttaacca tgggtctatg cttgtttctt gttagtctca 300
tcttgcttct gcacttttct taactttgca accgccattg catgtcttat gcttcatttg 360
aaaaacctta gagaaagaga ctttgtaaac attatccttt cat 403

<210> 25953
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25953

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caggggagaa gaatattcga ctcttgctg gctatacatt agagtgttgc taggtgcacc 120
cagcacttaa gcggaaataa catatatatc ccttccta 300
cagtagtgcc caactttctt cggcgcctat tgatttcctt cttacttcga ccatgcacct 240
agcaactacc gtgaccttac tgcttcttct tcttctctct tctacgcaac ctttggttggc 300
aacgtgggta gaatctattt ctttctctct ctctctctgt gcgacctga ttggtggagg 360
tgcttcacct 370

<210> 25954
<211> 388
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25954

tccataattc cttgaactct ccatacctgng ctttctctga tatgtcctct ctaagcacac 60
tataggcact cctaatacgaa tactggccac taggatctgc cgccacacacc cactgatcac 120
caatatgaga ctggattttg taccctctcaa cttcttgat aaatgagacc gccatatcta 180
tctcactgtc aaataatggt ctgtgccact tgaagtccca ttcccaccct gtgtccttga 240
aatctcgtac cacttaaatt tgtattgtta gagaataaaa tgggtaccatt ccgatcaata 300
aacatattga gtgccttagc aatcatacaa acagaatcat atgcatagag gctgtatgga 360
tttaacccaa ttgagccatt actgatgt 388

<210> 25955

<211> 304

<212> DNA

<213> Glycine max

<400> 25955

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tctagctcaa gacgttaaag aagcactact aggaggcagc ctagtacctt taaatcttct 120
gctttttatt tgtttttggt tgttcggtta ttttcgtaag ttatatgcct agtttatttg 180
aaatcctagg aattaagaaa atatacaagc gtaacaaggg gatgtctaatt tttttgcaaa 240
agacaaaaaa tggtagatt agctcgcta ggccaacatg tctgaaccag aggcgttaaa 300
aacg 304

<210> 25956

<211> 437

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25956

tcanaccaca gcaacacaaa atctaggtgt ccaatttctc cttatttcaa tggcttttct 60
aggcttgaaa ggtggaattt agaatgaggt aaatttgag caaactctca cctcacacaa 120
gtctataaca tcaatctaaa cttgctcaaa ctggatttac acctaaattt ccaccgaatc 180

aaaatttgac tctcaacac ccaattttgc cctagaaatg gctcttggtt cactttggtc 240
 atttgTTTT ctctctagct cagcctaacc tttctcacat gtcctaaatg acatttcaag 300
 ctattattaa ctacttttaa cctccattta ccacagaatt cagacttagc cttccaactc 360
 tcaaagtctc actctttttc cactcataac atcacactct cactntctaa ccttgngtta 420
 gttctaccct ttgtctc 437

<210> 25957
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 25957

tagcttatgt gtttgtgtat gtgtgttcgc acaggcttca ctactgcggt actgccttac 60
 ctcagcaaca gtgtactctc tgtcatgttc aatttcaggt atgcagccct tgccattaac 120
 aatcgctttg gattcatcat tatgcagtga ttgttgctgt gaaatttgat cagtatcaac 180
 ttggacaaaag gcaggagtgg gtaatgttgt cttgacttct tcattcagta actgtatttt 240
 tgttgcttct tgttgatcaa aattgccacc atcctctatt ccttggttga atgttgctct 300
 gtcagtgtca atcactactg gttcatcatt tttatatggt ttgttgctgtg agatttcctc 360
 agtttcacct ttgacaattt cagaagt 387

<210> 25958
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25958

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 catataaaat atgttttggt cttataatcg ttggtttatt ggtcatgggt gaaaggccta 120
 aagtttcagt agatactatg gcaaattggc gcagaaagat caacccaaat atgcctccca 180
 tattcatggt atgtcttaca taatgattct tatttactaa cttatgaatt ttcagtctat 240
 ttcttggtact atatgtacc aagagggctg gtctcatgga aatgttggtg gaatacctgt 300
 gaaagaggaa aaataaatgc aatattactc ttcctttaac aaaaaaacga tgtagccac 360
 tagtttagca atgaanagat cccaattcan aagacaataa aatatgctag taatgcatta 420

<210> 25959
 <211> 333
 <212> DNA
 <213> Glycine max

<400> 25959

tagcttcaac tacgtgttta ttgaatgttg ccggttctct gtactcttgc aagagaaggg 60
 tggcaaagca tagtgcgatt caagacattg agagtcctta gcacctcgtg gacgacgata 120
 tggctcagaa ggaggatttg atgatctttg atggtgcacg aggaccttac aacatgtgac 180
 attatggatg ctctgtgtga agtcaattgc aaatccaact atggaacacg ttcaagtcgt 240
 ttatggcaca gagaagctac taggtgagcc tgctcaggca tctgaggcca atgtgcgctg 300
 caacgcgaga agaattgcat aatatgattc act 333

<210> 25960
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 25960

tgcgactcta ggcactttct ctaaaactag ctagtttgaa atctgcgact gtagaaagaa 60
 tcttcagaaa catggcactt gaacaattgt cgacttttgg aaatgtatct tttgaaatca 120
 gagactggta atcgattacc attaaggtgt aatcgattac acatcaatac acgcgactct 180
 tcattttgaa ttctgaaatt taaaatgtgt agaaacacca gtaatcgatt acaagaattg 240
 tgtattcgat tacacaagtt agcaatgttt aaacacaaat tgtaactctt gacatttgaa 300
 atcttatcat tgtacaacac tggctataca ttactacctt ctggtaatcg atcaccatcg 360
 agtaaaactc tgtggtaatg attgtgtgaa aactgtttga gctactcaat gt 412

<210> 25961
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25961

tagcttgect gtccgatgca gcagtaatga tggcccgagt tatgttgggg aacggttacg 60

aaccggaat gggtttaggc aaagacaacg gcggcataac tagcctgata aatgccaaag 120
 gaaatcgtgg gaaatatggg ttaggctata agccactca ggcagatata aagagaagca 180
 tcgcggaag gaagagcggg agtcagagct cacagttgag acaagaaggt gaaggaagcc 240
 caccctgccata cataagcagg agctgtataa gcgggggtct gggggacgaa ggtcaagtgg 300
 tcgcatata cgaagatggg gttccgagta cattggattt ggtacaacca tgcnctccta 360
 atttcagct gggaaa 376

<210> 25962
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 25962

tccttcacata tctgcaactc ctactgcagc attcttttca gttgctcctt cagtcccagc 60
 tcagagtgc tctcagcgt ttgaagccat gcttcagagc attcatcagg gacagattat 120
 tttacttttag agtttatagg tgggtgggcc tccaggatcc attccttttg ttgagtagtt 180
 tctggagggg gtagcctggc ctgtggccca accttctcat cacagggaag atgaagggtcc 240
 cacagcccag gtaccacatc atgtagagga tgagtcattt gaggccacca ttccagatcc 300
 attcattata aaggaggagg catgtgagac acgagttaga caggatgttg ctgccactcc 360
 tgagagatct cttaagggca cttcagagcc tctgcacca gtggtggacc ta 412

<210> 25963
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25963

ttcttctcga tatattatgc gcctgaatca gacttccgtt tcaaaagtta tgaacatatg 60
 aatttctcca ctgtattccg tgtgacaagt gatgaccatt ttaatttctc gatagcattc 120
 gttgttcaat ttcgagcgtc tcgatataatt atgcgcttga atcggacttc cgtgtgacaa 180
 gttatgacca tttgaatttc tcgagggcct cggtttttca atttcaagct tcgagatata 240
 ttatgcgcct gaatcatact tccgtttcaa aagctatggc catatgaatt tctcgagagc 300
 aattcgtgct caatttcgag cgtctcgata tattctgcgc gttaatcgga ctttcgtgtg 360

acaagntatg a

371

<210> 25964
<211> 418
<212> DNA
<213> Glycine max

<400> 25964

tctcgatata ttatgcgcct gattcagagt ttcgttttaa aaggtatgac cattggaatt 60
tctcgagagc ttccgatgtt ctatttcgag cgtctcgata tattatgcac ctgaatcgga 120
cttccgtgtg acatgttatg accatttttag tttctcgaga gtttctgttg ttcaatttca 180
agcttctcga tatattatgt ggctgaatcg gacttccgtg tgacaagtta tgaccatttg 240
aatttctcgg gagctttgga tgttcaattt cgagcgtctc gatataattat gcccctgaat 300
cggactttcg tgtgacaagt tatgaccatt tgaattcttc gagagcattc gttgggtcaat 360
ttcgagcatc tccatatatt atgcgcccga atcggacttc cgtgtgacat gttatgac 418

<210> 25965
<211> 372
<212> DNA
<213> Glycine max

<400> 25965

agtttgtagg attatggggt acccatcaca tgtggtacta ggtggcggtc gggcgatggt 60
tcacaacaag ttttccacat ccacaatgcg cgcataaacc caccatcccc tgttgccac 120
ctccatctga gctcacgtac tcccacgtag cccatattcct catttctctc aacactgggt 180
cccatcaat cctccaagc ttcgacaaca tccaagcaaa acaacattca aacagcacia 240
gctatcacag ccaagcaaaa cagggcaaag gcagaaaact ctgctcaaca caccaaccaa 300
aatcacaact tttctcactt aaagaccca gtaacaattc cttcgatcca attcgttaac 360
cgttggatcg ac 372

<210> 25966
<211> 421
<212> DNA
<213> Glycine max

<400> 25966

tgccacccag ctgcccagg cgagcatggg tgctttcttc agaagcaaca accttctaga 60
 ggaatcttct ggagggccca agtgcccctg gttgctatct gcaccccat tttactaag 120
 tacacccctt gccttttttg gtgattcttt tttcgtaaag ttacggaaac ttacgaattt 180
 cgtaacgata cttgttttct ttcgtaatg ctacggaacc ttgcagatta cataatcatc 240
 ccctttttga cttacggaat gttacggaac ctactaatt gtgcaacgat gcttccattt 300
 gatttccggg gtgtcacgga accttacgga ttatgcatca atattttctt ttgttttccg 360
 gcatgtcccg gaatttcaca aattgcctaa tgatgggtgc caagcacctc acaaggacca 420
 a 421

<210> 25967
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 25967
 agtttgatgg cttcatatga tctatctatt gataatttca tatatgcatt taagtcattg 60
 agatatgttg actgttggtg tcgtatagct attaattaac atgctttctt agtttttttt 120
 tctgcatttg ttcacaatgt tgctaaatgc attgcttaat atcttttctt cacaaaagta 180
 gttgtctatt tagtaaattt gctgaatata agaaaatgac cttgatgatt taggtggaga 240
 aaatgaggct gcttcatgtt ttcacaaagc aatttggaat tgcttacaat gattgggaac 300
 ctgtgaattc aggcatatta ttggagtcta cttctgttga gagtttatca tctgccgatg 360
 atgtggttgc tggctgctca gatggacat 389

<210> 25968
 <211> 444
 <212> DNA
 <213> Glycine max

<400> 25968
 actcagcttg tttctcaatc tcccacttct ttatgaagac atctctttgt atttagagac 60
 acacacacac tttttcctaa tcgatcactc acataaattc gaccttgta ttttgtgaat 120
 ttgtgcttat cttaaaatta aattgggttac tcatgtgagt tcttgattga atcccatttc 180
 tctccccctt tgacatcaac atatagccat agtgcctatc agaattctaag tatgcaaata 240

taactaatcg ttcaaacaac atttatgaaa aaccatgaac caaatcatga agtacgaacc 300
 atgaagcatc aatcataaat agattaacta tttaatccac atagccaaat aacatactcg 360
 ttcgaccata ccatgcaa at aaagaaaata gtttaattggt catataccat aatcatatag 420
 ccaaaatata tgagaataga aaac 444

<210> 25969
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25969

agtttatctt tgatgatgag ggcatgatcc tggcgaggag ggggagaagc aagaagggtt 60
 tcgagcaa at gggctctgaa agccgaaacc tcagcttcag aaagaatgtc atctctgtga 120
 agagccacca aattcagcat ctgatagaga gaatctcgct gccatttgag gttgtcggat 180
 tgaagctgcc acagcttctg ctctgcggaa acgagacacc gatgtttctt gaggccgaag 240
 ggtaaaatgg tcttgacacag agaagatatt gagtcgtgca gggtcgagta gtacgctgtg 300
 ggtgccttcg aatacaccat tttcctaaca aggaactcaa attttgccta caaatatata 360
 tataaatggg gttnttgtga agattctgga 390

<210> 25970
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 25970

tggtccttgg tagtttaagc ttatccttgc atcattttct tttttggaac caccattgta 60
 agttttatgc ttcctttgga aaaccctaga gaaagacact ttgaaaaagt tatcttttta 120
 tgaaatgggt gttattttcg cgaccttcac tgaatcccat gcgcattggc atgactagaa 180
 tttcaaatg atgctccttt tgtagaactc gaaatacccc ttagcctttt catgtagtga 240
 catgagtatt tgattcaggg tatcgatgac aactatattt ctaaaatcca ttgtaatttc 300
 cttcattttg acgtataaag acttgcggtg gaccaacaag cgtgaacgag aaagagactt 360
 ctaagtgaca caacaaggaa cttggtaggg agctcacaat acgtgagggg agttattata 420

aaattatcat

430

<210> 25971
<211> 390
<212> DNA
<213> Glycine max

<400> 25971

agctattgag caattgaaat gtgtcataac ttttcacttg gaggtccgat tcatgcgcat 60
aatatatcga gacgctcgaa attgaacaac ggaagctctc gagaaattca aatggtcata 120
acttttcaat tgggggtcag attcaggcgc ataatatatc gagaagcttg aaattgaaca 180
acggaagctc tcgtgaaatt caaatgggtca taacttttaa ctcgagggtc caattcaggc 240
gcataatata tcgagacgct agaaattgaa caatggaagc tcttgagcaa ttgaaatggc 300
cataactttt cactcagatg tccgattcag gcgcataata catcgagacg ctcgaaactg 360
aacaatggaa gctcttaagc aattcaaatg 390

<210> 25972
<211> 435
<212> DNA
<213> Glycine max

<400> 25972

tactcaagct tcatgcgaga gtcaaagatc aaattgagag gaaaattatt atctattcta 60
aacaagccaa caaaggaaga aagaagggtg tcttcgaacc cggagatcgg gtttgggtgc 120
acatgagaaa agaaagggtt ccggaacaga ggaaatcaaa gcttcaacca aggggagatg 180
gaccatttca agtgcttgaa agaatacaata acaatgctta caaagttgag ctgcccgggtg 240
agtataatgt tagttccacc ttcaatgtct ctgatttatc tctttttgat gcagatggag 300
aattcgattt gaggacaaat ctttctcaag agggagagaa tgatgaggac atgttcaaga 360
gcaagggcaa ggatccactt gaaggacttg gaggacctat gacaagggct agagcaagga 420
aagccaagga agctc 435

<210> 25973
<211> 379
<212> DNA
<213> Glycine max

<400> 25973

agctttttat aagctgaacc attttatcaa taaacacaag ttgagtttta ttcagaaaat 60
tagagtttat ctcttttatc ttagtgagag tgattctcct aaattcttga gtgattcaag 120
aacaccctgg ctgtatcaaa ggactttcac aacctttgtg tgttgctctc gctggaaaga 180
gtgattcttt ccttccaatc atctccaccc ttgttctttc aaaccacaat tccagaaaat 240
ccacctctgc ccaaaattat ctctgacca taactcccat tttacacact cacattaagt 300
gattcttgag cctaaattga atttcaaac gagaccttcc acctcgtttt ggaatcacct 360
catttgagc cctgtagct 379

<210> 25974

<211> 423

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25974

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cctggagata tgtcgcgggg gtcaggagac cttggggacg tcaggtgggg tgctattgcc 120
caaaaccaag cttgaccaat cccgacccaa cccgggcata gtcggtcagt gagaacctgt 180
gatgtaccta aacaggcgag ctctggcgag tcaacaaata aaaggaacaa agaccacaaa 240
gcaaggagggc ttgtgggtggc tggccagctg tgaactttga ttgatattgtg gggtatggcc 300
tctggtaatt gattaccaag ggtaggtaat cgattacaag gcttaaaatt gaagacatga 360
ggctaagatg gtctctggta atcgattacc acggcgtgta atcgattacc aggcttgaaa 420
acg 423

<210> 25975

<211> 396

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25975

atcttctaata ggaagagaaa gaccggncac gagcacataa catgatttta aaagaagagt 60
tagccgtttg ctcaagggtcc aaaagaaact tgtctcagcg tttatgcaa gcagaaacca 120

acatgttagc tatcatcacc aagtaccaag aagaactaag tctagccacg gccacgagc 180
 ataggggtgcg gacgagtatg cccatgtgta cgcggaag gaggctagag gaaggggtgat 240
 cgactcgta caccaagagg caaccatgtg gatggaccga tttgctctta ccttgaatgg 300
 gaatcaagaa cttccccgat tgctagccaa ggccaaagca atggcggaca cctactccac 360
 ccccgaggag atccacagac ttctcgacta ttgtca 396

<210> 25976
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 25976

tgtagaatgg ctagacatga tacatgtcag ggtttgtttt tgttcaagga taaaaggga 60
 tgccccacat tatttccatg acacaaaatg caaaaaaatg atgatttgga aactttatgc 120
 aaaactgggc atgcatgcac ctatgcggac actcaagtgt caaatTTTTa tggatcatgtg 180
 atgctagggc tcaggattca tttctctat tttaatcaac ccaatgtttc caaaatatgt 240
 tcttttatca atttgtgcat tcattccgagt ccatttcggg cgtccgggga aatttcacag 300
 cattcaccct tcagggtgtag acacattttc caaaaattgg ttatgatcaa tgaactttt 360
 tttggaaatc gtctcttttc aaaagcatgt cgttttttag ctagacaact tattttcttt 420
 ttttctct 429

<210> 25977
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 25977

tcattcttggg ggtgaagctc tttcttccat ggcttattcc cttgtgcaa agctagaggt 60
 ttgttgaata atccccctca ctttcatatt catatttttc cttgaaaaat atcctttcca 120
 aggtggaagg gatgatgcaa tcctaccgcc caagggtatt ggatagaaga ctccaagagg 180
 cttaggctag agctactaaa gaaggcccta gggttctcat gaaccttagg gtagattttt 240
 gagcccatgg gtcaagggtg gatccactct tctttgtaaa tattagaata ggtttttttt 300
 ccttcttttg ggccttgat ttttgccatt ctagtagtat agggtttttag ccttgtattt 360

cagggcattt t

<210> 25978
 <211> 429
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 25978

tgtgactctt ggcaatttct ttgaaactag tcactttaaa agttgtgact ttgaaaaaa 60
 tcttcagaaa caagtcactt gaagaattgt gacttttgga aatgtatttt tcgaaatcag 120
 tcactggtaa tcgattacca ttaaggtata attgattgca catcaacaga tgtgactctt 180
 cattttaaat ttgaaaatc aaaacattta gaagcttttg taatcgatta caggtattgt 240
 gtaatcgatt acacaagttt aaaatgattt aaaactgttt aaacataagt tgtaactctt 300
 gaaatttgaa atctaacgtt ttaaaacact ggcaatcgat tactaccttc tggtaatcga 360
 ttaccagagt aaaactcttt ggtaatgatt ntgtgaaaac ttcttggtgc tactcaatgt 420
 ttgaaaaaac 429

<210> 25979
 <211> 378
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 25979

ggctgtgctc atgacatcaa cntaatchac ncggccgcgg ttctattgac tactgcagct 60
 gtcatttttg agactttgct tgnaacggag ctgtgggaga aattaattat gggccgggtt 120
 gtggcttccg aattcctcca ctgcttgga cctgtgatac ttggagaata tcccatthaa 180
 cttttattct ttagaaaatt ttgtcattta tttaggctgt tgtctggact gcaaaattct 240
 ggaacattca tgcccctatc tagccgatgt catgggaaat gaatttatat tttatttcaa 300
 ggccaagttt ctagtggctt taaaacattg gatacatgtt taatttttcc gtgctaataa 360
 tgggcattga taactgga 378

<210> 25980
 <211> 432
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25980

tcttttaaatt atttgactg gaaaaggtag gatggtttgt gtttctgccc ganngtcgga 60
taatagaatg taacacttat aaaaatgtga tgtgtgtcag ctcgactat atttatctcc 120
tattcattcg taaactttaa tcgggttatc tttttttaac tcgatttcta ctttaacttt 180
aagtatattt ggtaacatta gagtttaatt aagataacac tctaagcaag attaaatcaa 240
cctaatttca gacattgaat caataagata atgatataga caaatatcat caatcgtttt 300
atttttagatc taaaatatag gcaaacattc gactttattt attaataagt atccaaatca 360
tgtgaaatta tttcagttta tgtagttgta tcgacttgag ctcttaagta tgtgaatagc 420
ttaaatatgt ga 432

<210> 25981

<211> 556

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25981

aaaccggcac agaacaaccc cactacgaaa acagacacca acnaccceca cnaccgcgcn 60
acggcaanat gatgcgtcca tcgaacnacc gaaggccaan ncnagcnncg cgccgcaggc 120
ganaccagca gcagcccgcac cggcacggca ngccctagct tatggannag ccaaaagcta 180
ccacaacagg ggcgcgcacg gagcgaccan gacgacacgc aaccgacnca caagtcnagg 240
ccacacccgg agacagagaa aagagaagac accccaacac cggaaaagcg gaccgaccaa 300
cacgaccgga gggatgcaaa cacgccgcac aaggccgagc cggcatcaac ctggagcgac 360
agacaccacg ggacctgaaa gaaagcccac ccagaacaac ccgagccaga ggcgaggcac 420
gaaccacag cagccaagac agaccaggc acacaactgg acaacgcaac cggctgaagc 480
ccgccgaaaa cagacgactg agcaaaccac cacgaaccgc acacgcagag caccaccaca 540
caacattaca gccaaag 556

<210> 25982

<211> 487

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25982

cgaanncttg acgtcgatag aangncacac gacctaaana acacgcaaga cagcaagaag 60
ngctcaangg nagaacaac atgtatttat ggtgatanca gcacgcacac aggaagcaca 120
ggacggcggn gaaccaaagc caccacggac cgacgaaggc gcgagaanaa caaaccgcaa 180
agaccacagg gaccgaggaa cggaacagcc cacccaaggg ccggaacgag gcatacaagg 240
acggaacgga acctgcacgc acaccaggg agaggatgtc agacacgcga acgatgagcg 300
aacaagctag ggctggaagg catctaggga acatagcaag cgatgaacaa tatacgagca 360
ccgaactgaa cagcagcggg acaaggcgga cagactcgac aaagaacgag ggcaacgatg 420
ctgaacgagg acttgaacaa cgcaggacag ggaatggagc acgaaccgtc aagaccctat 480
tgaacag 487

<210> 25983

<211> 388

<212> DNA

<213> Glycine max

<400> 25983

agtttgacta ggcgagttaa ttttagcctt agtttcactt tagttattag tcaattcgat 60
taagaatgag aaatgccaaa gagaaaacgt ccgattgatt ttccgcttta ttttactaaa 120
aaaaagatgt ttttgatta ttatattatt ttcatctct ttttgttttc caacgtgggt 180
acggcagcag cgaacggctg aaattcattt taaccgaagt ttacggatca tacaattcaa 240
acgttcggtg gaaatttatt ttatttttaa gtttaagcag aaatgactta agtaaaatgg 300
cttaagcagc tcaacagggg gtatgaaaag taaatgaaac gagaacagaa atacacaaaa 360
cacaatttgg accaccacga gtacatag 388

<210> 25984

<211> 429

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25984

ggaccttaaa actagctgac acatgaaaga atggaaaaga ttataagatt tggtagaaaag 60
 aatgatgttt gtatttgaag tgtagaatac aacaagaaga attcttttac agtgggtggt 120
 cccttctccc actggaaatc ttagtttctg ttatttacca aaaagatgtg ttcttattag 180
 aatttcccca atttaaacta cctaacctcc tcaactgacc tgaaaccaca aataacaaaa 240
 tcaactagcct cctactaatt atttcatctg gaatttccc tccaaacctt attcctcctt 300
 attaagagtt ggctcatgcc tagtgcagta cgatgcaccc aaatttatca catattctcc 360
 acaaactcac aaataatata tgacatgtgt aaagtcaact gagattaana taatagaact 420
 acaaaaagca 429

<210> 25985
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25985

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 gggtgggtca tgttctcaaa atgctcaaaa tcaaaatgtt caaaattata atgctcaaaa 120
 tcaggatgct caaaattacc aaccacaaaa tgctcagttt caccaataat agaatgctca 180
 ggatgctcaa aaggtacaaa atgatgccta actaatctat gaaatgtgct atctatctca 240
 ggatcaaagg gttgtaagtc agatggattg cctccagtgt agtgtaggtt tgaactacag 300
 ctatcctcaa atgatatcca aatgacttga aattntgtga gcaacaccct anaatcatga 360
 aaagatggca canaaattnt caggcaaaaa 390

<210> 25986
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25986

tcagctntgt cccaaggct tcatgtagac ttgtctataa tcgcgaagta aacctcggat 60
 ccctgtccaa aatcgtgaag taaacctcgg atccctgtcg aggttgctct tcagccatga 120
 cttcggcttc aaattctact gtttgagatt cctggatgt aggtgaatta gaagatgatg 180

66307304400

actcagaaaa gtaagccttt tcaaggattg atgctactgt tttgtcgtgc aaaagctttc 240
tttttctctt tgcgttggtt cttctgaagg ttacttcaat ttctaaatcc aatggaacca 300
attcagctgt agaagatcta cgaatgcaaa cactaatagg aaaagcagtt aaccaattca 360
agaagaaaat aaattctgaa ctaaacaaat attaacaaaa acaaaaatta ataatcana 420
gaat 424

<210> 25987
<211> 248
<212> DNA
<213> Glycine max

<400> 25987

gattctctgc tgactgaacc ggggtactgc accgagcgt tctcgacact ttgacccgtg 60
aagacgacgc acaacagcta acaaagcctg ctcatagaag atcagaatta tctggacttt 120
agaatcgctc tgatcatgag aaacctggca atggaattac gagacaccct gggagcactt 180
aaattttcat gaacgctttc aagcttcac ataccttctg caagcactac caacgggccc 240
attaagag 248

<210> 25988
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25988

ggcaccagat tgtgctctag cattgaanac ngaacttagc aaacccagcg gcacgggaag 60
cgaacgcaga acatgcttta gatttttcga gccacncacc aagcacgaag agaggccnga 120
ggaacaccac cagaagccac ggcgagaaac aacacgaatg gggacaagan cccaaggggc 180
caagaggagg accctgagnn aacggacatg ggggctaaga aaacccctca agaggcggag 240
aaaagtttca tgggagggaa acatgcatta cctcgcgtga tctaattaac attatttcaa 300
agcaataccc cgatgtggaa tagtccatgg gtcatacatg agagctgaaa tttaatggtc 360
gttcatagga tatatacaac atgggttaact gatgttagta acaggtcatg acattttaca 420
ctcatgaagc gaattgaatg tgcataactg aatgctatga aagaactact ttatcg 476

<210> 25989
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 25989

agtccttttgt accgtgcacg tggccgcatg aactgcaaga aagaaattat agcaccagca 60
 aattacaaga cttgccaaatt tctaaaagct tcaatgtagt gtttcattct tctgccttgt 120
 ttaccaataa cacaaattaa aatcactaag taaccatgtg cacctgataa tcagataatg 180
 caccatatga tggattacag gaatcacccc aacgcccgtg tgggtattga tcccatccta 240
 ttgtccttga tatgtagctc tctggacgat ttgccctatg atagttgcat atagaacgta 300
 agaaatcctt cagacagata cttcctttct atattttgga acacgacata ccaattgcaa 360
 agaacatacc aa 372

<210> 25990
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25990

actcagctgt cggagggaat ccatggcccc ggtaatttg gtgnccatga cctccacggt 60
 gggctccttc tcgggatcca gcgtgcacac gaagatgtca agccccggca gcttctcatc 120
 cctcggcagc ttctccgtca tgacgctccg cgacaccggc cgccaccgga aggcttggct 180
 gaagaaccag agcaccgaga gaagaagctc cgctacggtc atcagaagcc atggcgctgt 240
 tggagggtcc agtaacaagt gagttatgcy gtagtaacac agcgacaaca ctgccactaa 300
 gtggatcagc atgtgaagtc tgctcagtgc caaccatgat tgaaccggtt caacgcggta 360
 cgtgaacatt ggctatctta tgttctcctc gaatttctat atat 404

<210> 25991
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 25991

agtccttttct tcttatagct gacatgaacc atctttgata gatgatcggt tctgcttact 60

CCSF-400

aaccagtctt tcataaatta aagagggcca ttacctctat taaagaaagt caaaagacgg 120
 aaatcatatt acatgtgata ctattataaa gaaactaact agccgatgta ttgcaatact 180
 agattaactc atttgctttt taagttcatt ttttttaacc tgatagcctc agacacacca 240
 ggtgatgaat agttccattt caagattttc ttccaaattg aatctgcctt tcaattttga 300
 acctctttaa cttatgactt atcccttcta ctgttataat acctcacctt acacacagaa 360
 acttgtgtag cccaacact aataaaaaag 390

<210> 25992
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25992

gtgtaccggg cattaacttc catgaatcct gataattata tgtgatctct gntgccactt 60
 atattttagg ttgaagtatc tggattgatt agtcattttc aggtgttttt tttctctgat 120
 gttgttattt ttttttttgg cacctttctt gggttctcaat aaaattgttc tattcataaa 180
 agttccattt taattattca ttgtgtttca aatgggtgaga ttgagatgaa cgcattgtatt 240
 ctatggtata ttttcataaa aaaaattacg gaatagtttt tgtcgtatgt ttaaaaatca 300
 gacctgtcat taaacttcct attctgctgt ttatataaac ttattaacct tatatgaatg 360
 tcatgttttt gatatgttat gccttcaagg cagcatgaat gttcatgtat aagttgtctt 420
 ggatgttcgg ttga 434

<210> 25993
 <211> 386
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25993

agctngcatc attaagatcc cttgtattca gttattgttc gcttaagtgc tcgatcgacc 60
 gtaacgattt tattcttaat aaaatttgac ttaataaatt aaaaaaaaaat atttataaat 120
 gattcatgac cttaacactt aaacaatatg aaactttgtg gggttactaga ataaataggt 180
 tatagctaga gatatgcac aatggcatat tagttctcta acttttacca tttattttgt 240

ttttataaat actgattctt atgtcgaagt ctctttaaat atatcggcat aattcagctt 300
atacaagtta agttaaata gatctatcca aatatttctc ccactttaca ctagtgtcta 360
aaagatatat cctttntaat ctccat 386

<210>	25994
<211>	433
<212>	DNA
<213>	Glycine max

tgtatagtgg	aagaatttcc	atattagagt	attatatattct	gtgtgtttctc	attattacat	60
ttaattacta	agtacctatt	ttaactttac	aaaaaggaaa	agtcagttt	tccaacacaa	120
agtagccatt	gcttctcccg	agaaagtata	gagcacttga	taataagata	aggaaaggaa	180
gagaaaacaa	tatctcatga	agctcacaag	taaataaaca	gggatggaag	gagctaatag	240
catacagagt	gtaatcatac	tgagatgaag	agaaaaaatg	ccaagcgaaa	ccttcttgca	300
gtatgagctc	actatacacg	taaaagaagg	caccccggcc	aaaatgtgac	tattaaacga	360
tccanaaaat	taaggagagc	ccttaaaata	tgactcgtat	ggcacanaga	aacataccct	420
tacttgagag	aaa					433

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<223>      unsure at all n locations
<400>      25995
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<210> 25996
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25996

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 aaacaaatca aacgtaacaa gacaattata gttgctgttt gaatacctca cccactcaag 120
 tgtatcacac aattatggct tttctctaata gaaacactct tgcctttttac cactctaatt 180
 ccccttgagt tcttaggcaa ttcaagagat tatggccaca acaaagaaca attcaccaat 240
 atgtgtaagg taaggctaga gagacaagga aaagggttaac caagaaaaag gctaacaatg 300
 tttttaggca caaatgaagg aaataaaatt cagaatttat gaattcaagt aacaatcctt 360
 catgcaacca atatattacc ttaaagagat tntttttaaa gttcttcaag catgaaccat 420
 tcagcccaat ttt 433

<210> 25997
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 25997

agtctttttt gccggcaatg gaggacggcg cgcgtggaga agaagacctg gacgcggaaa 60
 gaggactgct gcacgcgtgg agctctggtc gcggaagaag aagaactcga aggtgaagaa 120
 gctttgggtc gcggaagaag aagaagaaaa cgaaggagga agaagaaagt ttggctcgcg 180
 gaagaaattt tgaaacagaa aggcctttttc atttaaaaat tttaatttat taattttatt 240
 ataagggcca attgtgtaac ttcatataat tgctgggtgc acctagcaac agccttggtt 300
 ttttgcttga catgaggccc gaaaggccat actcttaaaa agaaaaagaa aatcaacgtg 360
 agatcattaa ctaagagaac ctttttctcc cgga 394

<210> 25998
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 25998

tcgatctcat cacaagcttc cacaacagcc ttcattctct ctaacaactt ctttgcactt 60
tccaatttat tgactctatt ggtcaaatgc tccagcttct gtcctcatcat ctggagttgc 120
ctaccatatt cacattttga cttcttcttc ttcattctct cagttgaagc catttcactt 180
gttggtgttg gcaatgaaaa ccatcaccat gttaattatg tgtgcgaaaa catgttcaac 240
ccggttaagta ttattttgtg acaatttgta ttcattcatta tgttaaaaat attaataaca 300
ttaattttta actaagaaaa gactatattg aacaaaattt taaaaattaa ggactaaatt 360
ntatttttta aaagataaat gactaaattg aatcanaaca atatgataga tgactaanna 420
gtataattt 429

<210> 25999

<211> 486

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25999

aggaccgann attgatgaat caatgactac ccacaggcga ancccagcac gcgacgagggc 60
gatacagtag agctgaacgc aagccatttc agttattaat ggagngacct aagggaaga 120
ggcattctca aataaaccat gcatgacgta gccattctct gtgcactagc tacctcatat 180
ccgatctgtt ctaataggat ctctgctcac cagctccgat acttaaaagc ccaaccagaa 240
cagttcattc ttccaataa tggaatgcac tgcattctct aaaggcacag aatgaagctc 300
atatattcta caagctgggc catcgatgtg acgatgaaaa gacctagagt cacaacctga 360
gccaccaatg tagcggctcg gtgtactgcc gatatectct gcagcgatgc atatgaaacg 420
agcatactgc gaacccgagc cacaaccatg atgacatgct acagactttc taatgccata 480
gacaan 486

<210> 26000

<211> 314

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26000

ggaccgatgc acagtcgagc cggacactac attttttttt aaccaccaag agaacaaaga 60
 gtacgagcgc ttagcgcact nggatggtcg gaccactagg gaagcagctc acgtgcccac 120
 acacttaggt gagaaggatc gtgctgaaca ttccccggga caagccagaa tgactagtat 180
 gacaacaaag acccatatga ctgtgagaga acacacgtga gtgtggagaa tgagaagcaa 240
 aattctcact gacaagagaa catagacaga tgctggactc attcaaaaat acggataagc 300
 tggaaacgcc taag 314

<210> 26001
 <211> 334
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26001

ttagttttgc aactatntgt ccctggcaca atgtcgagat tcaaactatt cctgcactgg 60
 acgagtccaa ccaaccaatc ctaaacaacg ttatattcca tcgacttttt tggtcattta 120
 gagcatgcat tgatgctgtg gcattatgtg aaccattgtg gaaaatcaat ggaacatggc 180
 tatatggaag acacagaggg aactatttag ttacagttgc acaagatggc gctaacaaca 240
 tattatcatt ggcatttggt atgtgcgagg gtgaaataac atatgggtga cacttatctt 300
 tgtcaaactt gagaacacat gagacaccct aata 334

<210> 26002
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26002

tggagagatt aaaattatac aatgatttag tgttctgttt tggttgaatg gtggagacct 60
 anatcacgca catttcatct tcctgttgat gaatgcacga tcaccttgga agatgttgct 120
 cttcaattga gtttacacgt tgatggaaaa ctaattactg acctaaaata ttatgattgg 180
 gaacaaatgt gcgcataata tatatgtgtt ctttcccaa agaatgcact aataggatca 240
 acacttaaac taatatgggt aagagaaaac atattagctc tcctagtata acccatca 300
 cagcaattag taactcattg tagagcatac attgtaagac taattgggtg agtgtcgatg 360

ccaaacaagt gaaggaacaa agttcagcta atgtatctac ctctgttagc acattttgat 420
caagttgggt ggt 433

<210> 26003
<211> 389
<212> DNA
<213> Glycine max

<400> 26003

tagcttttca tcccacaaaa gaagtcagat tcgggtctat ttttcagatg ttaatttgta 60
aacagactag catgtgactg aaacatatgc acacccttg gatacttctc cataagcact 120
tgtagaagaa gaaaatctat aacaatgaga tacgctaagg gaaaagctag ttacattgag 180
attcatcaaa agctgatttt gtatcgtgca taagctaatt ttgattcatg gagaaatgta 240
tttcatatta ctttcttatt ttcttctccc tctatgagt gtgttttagat tagtttatca 300
aaacaggacc aatatctaac agtgaccagt gcagcaagca tcaatgtaga tatggagaaa 360
atcagaacat attatcttat gcctcacgt 389

<210> 26004
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26004

tgtagaatgg ctagacatga tacatgtcag ggtttgtttt ggttcaagga taaaagggat 60
gccccacatt atttccatga cacaaatgca aaaatgatga tttggaaatt ttatgcaaaa 120
ctggtcatgc atgcacctat gtggacgctc aactgtcaaa tttctatggt catgtgatac 180
tagggctcag gattcatttc ctctattttt agtcaacca atgtttccaa aatatgtcct 240
tttatcaatt tgtgcattca tacgagtcca tttcgggcgt ctggggaaat tttcacagca 300
ttcaccttc aggtgtatac acattttttt aaaaactagt tatgatcaat gaattntttt 360
ttcaaagaga agatggaaat catctctttt caaaagcatg tcggttttta gctagacaac 420
ttattttctc ttttt 435

<210> 26005
<211> 464

<212> DNA
<213> Glycine max

<400> 26005

aaaattgtgc gtcgaagatc accggattca agctagcacc cgggatgcat acagtcgacc 60
tgcctgcatg catgttagtt tgccaggaac ggaggacaga gcgcgagtaa acataatacc 120
agcacgccgc gagaggacag atccactcga cgaggtctga acgcgaagaa acaataactc 180
ctatgacacg acgctggcgg tcgcggtgga cgaagaacat gactgacgat gaatagcaat 240
gcttgactgg ctgaagacat tactaacata gtcgctcatt attgcaacat atggatgcat 300
gaacttgatc aaaaggccaa tagagatgct gcatacacta gctggctgct cctagcagca 360
gacttggtac aatgcttgac atgaaggacg gaaggccata ctcttatact gatgacgaat 420
gtacactgag atcagtcact actagaactc ttttctaccg gaag 464

<210> 26006
<211> 395
<212> DNA
<213> Glycine max

<400> 26006

tatgatattc tttccattat ccttccccac tttattcttt aaagcaccta gaaatacata 60
gctaagtatg tctacatcag tgccacttct ataaacgctt catcttttgc tttatcttta 120
ctaaaacgct atcagaaaaa tgtcttaaaa tccaggaagt tcaatgcata ccatttgatg 180
tgaagagtaa atcacttaat caaaacagta aatgattcaa actaacgaat aaggttggcg 240
aggaggataa gaaagagaaa aatgaggaaa atattgagga taggatctct cttgtcaaca 300
aatagctaac aagctaagac tatacagttc tcgattaaaa aaataagtga atacagatta 360
ggctatatat gatatatgac ggacacgac tttta 395

<210> 26007
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26007

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tatctctctc cttagacatt acttcataaa tcccaatggt ggtaatgtgt gaaaatgtgt 120
gccacacgcg gtgaccaaat ttcaaaaaga gccgacgttt aacgagtcta tgatcataga 180
tttactagaa cagatatgag tgtatgcaag aaaaaaaagg attttgggag aggaagaaga 240
cccaacatgt gtgacagaaa tagagagcag actgtcagta gcgatatata tgaactactg 300
cgatgctaga aggcctatat gtctggctga gtactatgag cttatcatcn atcctatat 359

<210> 26008
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26008

tgaatgagca tttaatgagt cgagccngaa ttattttcaa tttctcaact tatttatacc 60
cctaattgta actatcttga agatatactt ctagtggcct atagttggga gtgtgagtag 120
taaaacacaa tgtgtcttgg agagagaact cttgttcact taagtcatac tcgtttatgg 180
agaatagtta ctaatgttca atttcacacg gcaatcatct ttaatgttgc aaatgtattt 240
tctatcatga ttatgcccatt acttagcaaa acttagtgct tgtctaaggc aaaagtatga 300
actgaacaat attacatatt gagttgctgc tatattattt tgggtgaagca ttatcaggaa 360
gattacaaac atcctctgct taaaagttca ttagctatga gtatttatta ccgtagtctt 420
ctt 423

<210> 26009
<211> 379
<212> DNA
<213> Glycine max

<400> 26009

agtttatgct gcaaacattt ataatagacc ccttcagcag caaatcaac aacaacagaa 60
taataatgat ctttcaagca acagatgcaa tccaggttgg aggaatcatc caaatatgag 120
atgggcaagt aagtcatatg ttctctctcc aatgcagcaa taacaaagac aacaagcaac 180
tgaggcacct cctcaacctt ccttagaaga gttagtgagg caaatgacaa tccagaatat 240
gcaatttcaa caagagacaa gagctccatt cagagtacga caaatcaaat ggggcatatg 300
gtactcagt tgaaccaagc tcagtccctaa aattctgaca aattgccttc acagactgtg 360

cagaatccga aaaatgtga

379

<210> 26010
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26010

ntgagccaaa atcctgactc accatatact ttgactctgg tgagaatgtc aattcttacc 60
ctcgaagca aaaaaaagg ggagagggaa aatttccaat caaagaggaa gcaaaaaagg 120
agagaaggaa aatttccaat caaaggaaaa aaagagagga aagggaattc ccaatcaaag 180
agtgggagaa agcaaaaaga aaagaaagaa aattcccaat caaagaatgg gagaaagaaa 240
aaagagaaga agaaagggaa gaaagtccc gatcaaaaaa aataatatgc agaaagggtc 300
ttggaccgga caatatctga acaatacaga attgtcacca aatgaataaa aagaaggaaa 360
gggaaccatg acctanaatg gtcttcccc tttagttgcc aggcaaaatc ttgtg 415

<210> 26011
<211> 345
<212> DNA
<213> Glycine max

<400> 26011

agcttgtaat cgattactag aggagaattt cataaaataa ttttcaagag tcacatctgt 60
tcaaattgatt ttttaatagc catcaaaagt ctatttatat atgacttaga acacaaattt 120
gcttagagtt tttcagaaca aaaagggtctt atttcttcaa aagcaaaatc atcttatcct 180
cttagaaatt ccttggccaa tacgcttgca attcaataag aaattattag agcgctcaat 240
tgttcaatct atctctttca agagatatctt cttcttctct tcattcttatt tcaaaaaagg 300
gattaagaga ccgagggtct cttgttgtaa agcaatatga acaca 345

<210> 26012
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26012

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 gttttgttta ctttttatac cccctgttga cgtgcttaag ccattttact taagtcattt 120
 ctcgcttaac ttaaaaataa aataaatttc caccgaacgt ttgaattgta ttatccatta 180
 acttcgggta aatcaattc cgaccgttcg gtcgtgccgt aaccacgttg gaaatcaaaa 240
 agaggtaaaa aataatataa taatcaaaaa aatatctttt agtaaaataa agcgggaaat 300
 caatcggacg ttttctcttt gggattcctc attcttaatc gaattgatta ataactaaag 360
 tgaaactaag gctaanatca actcgcttag tcaagctcgt ccacaaaaaa taggcctttg 420
 aagttc 426

<210> 26013
 <211> 376
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26013

agtttttagcc ttangtaaac atgttgctca tgttgctccc cttatctctc acatgtattt 60
 cggttttctg ataaagaaaa atctaaccct ccccttgga ggaagttgt ggtattacga 120
 ggagatttta gaaaaatact tccaatcatt ccaaagaaa gaagataagg tgttggtcat 180
 gctagcatta attcataata ttttttgcct ttatgtaagg ttcttacttt aacaaaaaat 240
 atgagtcttc aatcaaggtc ttctaataaa catgtttctc aattgaaaga atttgtaaatt 300
 tgggtgttgg atattggaaa tgaaactatt ggtgagattc atgacaaaga aaatgccatn 360
 gacattccat cttata 376

<210> 26014
 <211> 414
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26014

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 tatgcttgtt gtaggaacct atgattctat gtatgattat agtgtgggtcc ttcttggaga 120
 gcttgagacc ttgttttcca tgcttaaggg acccttttcg gttgtctccc ttctattggt 180

gacttgttgt ggtggttaagg aacccttctc cttccccctt catcttcatt ttctgtgtcc 240
 ttcattggagt acctttgggg gctcataaaa gtgcttgtgg ttgaggtttt aatgttgatt 300
 cttcttgttc ttagggctta cgtgtttttg tttggtgtgt gttgttgta acgtggagga 360
 tattaagccc tcattcttga cccaaagatt tctccttttc actttcttat tctc 414

<210> 26015
 <211> 187
 <212> DNA
 <213> Glycine max

<400> 26015

taagaagaat cacatcgttt atgtgataga caatttgatt tattgagttc aacagctgag 60
 gggcgtcaca tttattatca agggaatcgg ctggagtaga aatgtgtgca ctttgccaaa 120
 agtcatctaa tctgactcat gtagcataat gatgaagatt gcaatagccg taagttctta 180
 atagtgt 187

<210> 26016
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26016

tggagtgtc gaattgcggt taagtgaag atcgctagtt atagtctctc ctctcgttct 60
 tcttcttgtt ctcggtatc cacatcatct gactctttca ttatgtgtgc tagctcttct 120
 tccatagttt aagaaaatta tcagaaggaa ttgtttttta aagagggaga agagacagcc 180
 cgtgcatata tatatgcga ctttttttat aatcgatcgt tatgaaagga actggggaca 240
 agacgagaag agacgattta gcttctttga caacatacaa gattgaattc gngagaaata 300
 ctggattgaa ctatcacata atacaatata atacgagatt acaaaaccaa ctttgagtgt 360
 aactagacta aagaaagatg agatcgatgg c 391

<210> 26017
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 26017

agctcggacc cgggatcctt acagtcacct gccgcatgca ttcagctttc tatactatcc 60
accaaact gccgtgtttc tgtctcgcc taaatttaag gaggactgca gcaccgggta 120
tccttccta actgtactgg atgcggatgc catggcttta tcctctatag ctttctggag 180
aattaacatg accttcgaga tggaatccat ctgatcgttt aaggccgata gatcggcctt 240
catcagaagc tgcacgcact attacttatg catttcaactg gatcgagtgt catatccggc 300
gcctttgtgc tttcttagtt atgatgaaat tccagttgaa ataaacaact gtgagtatgc 360
caccaaaaca tgaatatgca aatgaatgat cagagcactt ggatccacc 409

<210> 26018

<211> 400

<212> DNA

<213> Glycine max

<400> 26018

tgcttgagaa gcttctatga aggctggatc tttgtttgct atgaggtcct tcaatgggtga 60
ttgtcaatca tggagatgca gcggaagata aaggagaaga ggtgagagga ggtgtgtcat 120
ccactagggga ataagccatg gaaggaggag cttcaccacc aagagtgcct tggataataa 180
gcttagagag ggagcttcaa ttgacgaaag gaatgagaga aatagaggga gagaagttga 240
actttgaagt gtgtgactca caagactctc attcatcaca gttatgacaa gcgttacaca 300
tgtttctatt tatagcctaa gtcacaaact atatgaaagc ttccttgaga agcttccatg 360
agaagtgaga gcttagctac acacaccctc tctaatagct 400

<210> 26019

<211> 382

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26019

agtttgttcc acttcacgtc tataatatga atgtagcata tagatccaaa gacccttacg 60
tgctttgctg atggcttctt accgttccaa gcttcaattg ggtcttgctc ttttatagac 120
ttagttggac atctgttgag tatgtaaata gcagtgtaga ctgtttcatc ccataatgtg 180
ttaagtagtc ctttctcctt gagcatcgat ctagccattt ccataactgt gcgattcttt 240

ctctcggaca ctccattgtg ttgaggagaa tatgcgactg taagttgtca ctcaatgcct 300
 tcatectcac aaaatctttc aaactcgca gaggtgtact cntngccgtg atcacttctt 360
 agtactttta tccgttttcc ac 382

<210> 26020
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 26020

cttggacttt atgcttgagg gtcacacact gctcgatcat tgcctttgag taccacatg 60
 atacgcacag gtcgcgttgg gggtgcacca cctcgggaaa ggagactggt agattcttcc 120
 tagggtcacc actgccaaact ggtagcgat tagggatggc aacaagtccc cgtatgacat 180
 cggaattggc aaaaactcca gaagcttctt cactagaggg ttcttcctg gattggaact 240
 tgtgccatga ttgaaatcac cggtgggacg aggcttgta ggagccgagg cttgagcagg 300
 ggctctttgt gatggggcag atgacctttg ctggatgggt gccgaattgg aggggtttcc 360
 ggcataggcc aaaaagcttg gatggtgcta ggcatattga tgagtattgt gaggtgttga 420

<210> 26021
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 26021

agcttttatt tagatccact aactctttgg tcacatttat ctttgttggg gaatctaaag 60
 aaaaaaaaa gagatgagac ggatcagatc taacatttta tggttctgaa ttcgtgtgac 120
 agatacgata tcaagttgaa tgatgtgatt ctccccgaga gctgatgaga atcctgaaaa 180
 tggccaaata caggctaaag gcccaagtgg agaaggacga aggcccaagt ggagaaggac 240
 gaaggcccaa gtggagaagg acaaagcccc cgagtggaga aggatgaagg cccaagtgga 300
 gaaggataaa ggcctagagg cagagacatt atcaagacta ttaattgttg ttgaaggccc 360
 agattaattt gaaggcccat aataaatatg ttc 393

<210> 26022
 <211> 412

<212> DNA
<213> Glycine max

<400> 26022

caatcttgaa acaaccagc attctttgtt ctactcaagc cactgttagc tctaaataaa 60
tcaaaagatt tgaagtttgt ttgctcactg actaattctt aattgcctta tagacggata 120
tgaaatctaa gctctagtat tttctcttta catatacaaa gtgttttgaa agcggttcaa 180
actttacaag aatatacaaa aggctttata caaaaataat ttgaatgata gcgtgtaagt 240
tcatgtcttg gttccttaaa gtttctagta tttataggtc ttagtgtcta ttgtctctaa 300
atggatagat ttcttcactt gagcttgc atgaagattg tggccattga agcatttaat 360
ttttgtatta aatgctcata cttcttcattg ttggaaaatc actcttgta gc 412

<210> 26023
<211> 379
<212> DNA
<213> Glycine max

<400> 26023

agttttagcc ttatgtaaac atgttgctca tgttgctccc cttatctctc acatgtattt 60
cggttttctg ataaggaaaa atctaaccct ccctttggaa ggaaagatgt ggtattacga 120
ggagatttta gaaaaatact tccaatcatt ccaaaagaaa gaagataagg tgttgttcat 180
gctagcatta attcataata ttttttgcct ttatgtaagg ttcttacttt aacaaaaaat 240
atgagtcttc aatcaaggtc ttctaataaa catgtttctc aattgaaaga atctgtaaat 300
tggtgtgttg atattggaaa tgaaactatt ggtgagattc atgacaaaga acatgccatt 360
gacattccat cttatatgc 379

<210> 26024
<211> 305
<212> DNA
<213> Glycine max

<400> 26024

tattattcat tagtactcca tcaatgtttg ttagattctt attcctcgca tttacatcat 60
atgcttggtg taagaacctg tgattctatg tatgagtata gtgtggctct tcttggacag 120
cttgagacct tgatttccat gcttaacgga cccttttcgg ttgtctacct tctatagggtg 180

actgtttgtg gtggttaagga acccttctac ttacccttcc atcttaatct tegtgtctcc 240
 tcatggagta cctttggggg ctcataaacg tgcttgtggc tgaggttata atgttgatcc 300
 ttctt 305

<210> 26025
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 26025

tagtttttga cttgagtcac caagagaata taaatatgtg accatggcat gagtttcaag 60
 atcatcaatc atctttgaat catctatctt tcaatcttct ttcaacattc ttcaatcaat 120
 cttttcaact ctttctacag aattttcgga ttcatcttct cttcatcttt cttcaagttt 180
 ttgttcaata ctttctcttt caagaaaagt tttttgataa aaaacttgtg ctattcatct 240
 ttttcattct cttctctctc atgtcggcct tcatctgcct ttgcacctcc tgaattcttt 300
 tgtgtctctc ttctccctta caaaagattc agaggactaa ccgcctgaga attcttttga 360
 atcttacttt ccccttaag 379

<210> 26026
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26026

ggctgggcct acctccatcc ctagaggagt tgtttgaggc ggaagctcca cgtacggttt 60
 tgaagccgag cttttctagc aatggggcct agggaccgat atgatgattg gtttaggtag 120
 ggcggccggc ctactacggg cacctgtagg gattagtgtc tgagaccgag atccacaaaa 180
 gcatgggact caccctttac ttgggaatga agaggggaaa gatagcatgt cacaagagcg 240
 aggcgaggtt tgtaacccta ctgcgagagg gacgcctcgc gagccgggct tctagagatg 300
 aggccttttg gcgaagccaa gtcaatttcg ggccaccaa cctgcaact gatgagaagg 360
 cctatggagt aaagggaagc gtgtacgttg tcacactccc tgccttcaaa aggtgcctag 420
 aggacgggcc an 432

<210> 26027
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 26027

tagcttgtag cttactatt tacaaggatt ccttctcaa tccccttatt cagctaaata 60
 tgtaccttca aaacttgaac tttcaaccg agtgacata cttgatctaa aagatactgt 120
 cataccctaa tttcgtccg ggattattat ttgatgatat acaacctttg attggccgct 180
 tcaagatact atgcaccctt ttttgcacaa tatgtgaagt cccgagacgt gccgaaaatc 240
 aaaaggaagc aggtttacgc gatctgtgaa aattccataa tgtgacggaa atcgaaagca 300
 ggtgtttttc gcaatccgtg agttttcata acttcttcga aagctaaaaa agagtaaata 360
 cataatccgt aaggattcgt aaccttgc 388

<210> 26028
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26028

tctccttgat aaaatgcttg tcaatctcaa catgctttgt tttatcatgt aagacttgat 60
 tatacttata gcaaccttat tatcacaaaa caattgcata gggggaactt tggcttttca 120
 agctctttta gacatgtttc agccataaga cctcacatac tccttgagtc attaataaa 180
 actcagtttt agcattactc ctatcaacta taacaccctg atatatatat atatatatat 240
 atatatatgt atatatatgt attattagta attatgtttg atgtttgatt atattcgttg 300
 tgttgtttta tccttgatta ttttttagga ggtgagttta gttattagaa gtatgttagt 360
 agttaagca ttagcttctc atagaagcct ctcgagacag cttctcanag aagccatgag 420
 gaagcttctc gag 433

<210> 26029
 <211> 231
 <212> DNA
 <213> Glycine max

<400> 26029

tatctttgag caaatcttta cgacaataac tattgaatcg gatgtgcat tgtgtcccat 60
 atgttatcaa gacgctcgga attgaacacg gatgctatga gaatgatcaa acgacgataa 120
 ttcttaactc agatgaacga ttgagatcct tcctatatca gacgctacat acttgaaatg 180
 gccagctact ggctaattgc cccgacggta aatgacgact gccctggccg a 231

<210> 26030
 <211> 334
 <212> DNA
 <213> Glycine max

<400> 26030

taataagagg catgctaagt gggtagagtt tttagtcaa tttccatatg tcacaaaca 60
 taaaaagggg aaagggaatg tagtggctga tgcactgtct aggagacatg ctttacttgc 120
 tatgcttgaa actaaactgt ttggtctcga gtctttgaaa gacatgtatg tgcagtatgt 180
 ggactttgct gaaatTTTTG ctgcatgtga aaagttttct gaaaatgggt actataggca 240
 taatggattc ttgtttaaag caaataaatt gtgtgtgcct aagtgttcca ttagagagtt 300
 gcttgtgagt gaatcacatg aggggggggt gatg 334

<210> 26031
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26031

agcttgaaat gaggaagtgt ggaaggggtga gacttcctac ttttattcgt tggccacaga 60
 gtggtacctg gagatatgtc gcgggggtca ggagaccttg gggacgtcag gtgggggtgct 120
 attgccccaa accaagcttg accaatcccc acccaaccg ggcatagtca gtcagtgaga 180
 acctgtgatg tacctaaaca ggcgagctcc tggaagtcaa tcgataaaag aacaaagacc 240
 acaaagcaag gaggcttgtg tgggtggctgg ccagctgtga atcttgagt atatatggga 300
 tagggcctct ggtaatcgat taccgagggg gggtagtcga ttacaaggct tanaagtga 360
 gacaggaagc taagat 376

<210> 26032

<211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26032

tcagaccaca acaacacaaa atctatgtat tcaaattccc tcaatttaat ggattttcaa 60
 ggtttgagaa gtgaaattga gaatgaggta aatttggagc aaactctcac ctacacacaag 120
 tctataacat caatttaaac ttgctcaaac tggatttaca cctaaaattc caccgaatca 180
 aaatttgact cctcaacacc caattttacc ctagaaatgg ctctttgttc actttgggtca 240
 tttgtttttc tctcttgtag agcccaagct ttctcataag tcttaaataa catttcaagc 300
 taggattaac tcactttaac ctccaaatgc cactaaatcc agatttggcc ttccaactct 360
 caaacctca ctctntntcc actcataaca ccatattctc actttctaac cct 413

<210> 26033
 <211> 280
 <212> DNA
 <213> Glycine max

<400> 26033

agtttgcct agtgcataagg ggactgtgct aagcctaaat tcttgactg agtgcaagaa 60
 gtggactttg gcttagcgca acaggctcgc taagcgtgat ttgcagggtta taaatacgtt 120
 tttagcatga aaaacacgat ttttcaactct cctcttctcc aaaatgccac ccaaacccta 180
 aaacctcatt ttccaccacc caagaccatc ggtggccgcc gttgcttgcc gttggacccc 240
 cacaccaaga gaaacacttt aatcgaagcg gaatcctcag 280

<210> 26034
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26034

tggctaaact tttattggac tnttctctc ttttaattgag nngagccaaa cactctttat 60
 ataaaattat ttttttaaataaaaacgttgc tgtaactttg ttcattaaag ttcattggat 120
 tgtaagact ttttattgtt gctgctactc ctactattat tggttctctc cctaccgtcg 180

ttgctaattc tactgctact taacgattat gttagaacct tttttatttt gaatttttta 240
 cagaagtttt taaaggaatt ctacttaaag attatgtag aaccttttcc attttgaatt 300
 tttttgcaga atttttgaag gcattaaaaa ttcacccctt gtggtatata tgcagaacaa 360
 gacccatgta tatgaatata gagttgtcat ccactatcac aaaatcatgt cttcttttct 420
 aaac 424

<210> 26035
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26035

agtttgaact gntaatttat tcctatcctg aagtttcttg actacttttt tctgttccag 60
 caattttgtt tttattcaaa gcagttttat tattaagtag tatatatatt tgctcaccac 120
 cactggccac aaacaattag catatctgtc tacactactt gccatgccct atatctcgcc 180
 gtggaaacgt ggaaaaagaa aaactatttt cagcattcaa cttccagcaa atatatataa 240
 tttcattacc agcatgtgtt actgaaggag atttaaggga aaagaggttc aggttctgat 300
 cattttggaa gattagcttt ggtttgaaag attgtgctaa gattatgtcc attcaagctc 360
 agtggatatcc aaataata 378

<210> 26036
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26036

tgaacttagg tgtttggttg gaaatgactt gttntttttt tntncttata ctatggaaaa 60
 atgattcgac ttgttttaaac acctagtaaa tagcacgaaa tacatttttg tgaactcaat 120
 tcagtaactc gcaacatgtg aagtcaattc agtagctttt ttaacgtata agagggtgag 180
 ggattgtgct atgttacaac ttctccgtga tgttcatctt ttctaattga ttttccaact 240
 catcatgagt cacctatgaa acaataaggc attctctgta gtaatgtagt taatgaagca 300
 tcttttctaa agaatggtat aagaacagtc tcaatgttat gaagcaaadc ctttggtgtg 360

cttgtagtc tttgatgctc gacttaactt ctg

393

<210> 26037
<211> 225
<212> DNA
<213> Glycine max

<400> 26037

cccggtatcc tcttagtcac ctgatgctgc aactttttta ttaacacaat cttcaaccat 60
gttgaaaggt ccaaaggcct acatttttgt gtgtttgact tcaaaagcaa atatagaatc 120
tttgagaacc tattgccaat gctctcttaa aactctggga atacacttgc aaatctattg 180
agaattcatt cacaagactc aatttggatc atccactcta aatga 225

<210> 26038
<211> 394
<212> DNA
<213> Glycine max

<400> 26038

tttcttagtc ttgtatttta aggatgattt ttggacaatt ggatctaatt aggacaattc 60
ataattggaa tggctctaaa attttaaaat tttcagggaa tagatagaaa aaatggcctg 120
gttttggtac taaagaactg taattgtagt ttgataagta aaagttatta aagtgggtat 180
atatatatat atatatatat atatatatat atatatatat atatatatat 240
atatatatat atatatatat agctaaaaat agaattctct tataattgga taaattttat 300
atgaattcta ttatatctaa aagaatgaaa attaatgaat agcaatgatt gtcctacatg 360
atattgtatag atacacatat atattattta ttag 394

<210> 26039
<211> 273
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26039

ttttcacaat atttaccac aacatgagaa tcatagtatg gggtggtnt gagaaaatgc 60
tcaggatttg tgggtgcttc aataatgatt ttaacccagg cattatgtac atgtacatct 120
tggattcctt cacttacaag atgctccaag aattgagtan caagcggaga cgattcctat 180

gcataanaaa ttaaatagaga aataaacatg gcaatgatag tggagatgaa agctagagag 240
 aaaactagca cacctcttct cacattcttc aac 273

<210> 26040
 <211> 356
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26040

agttttttct cttgcctcct atggnggaga gcttcttcta gactcatctt ctccttgaag 60
 tggcgtctcc tctctctctt cctttctcca ttccgctgcc attcatcttc caagaagcaa 120
 aggaatccat tgatgaagaa gatcctaggc ctacaagctc caatggagct tgcacacat 180
 tattacaaa gcattaggaa ggcacaaatt tcagatattg cttggcaagc tgggcattcg 240
 taatcctcat gcaccacctt gagggggggg gggtaatacc gtatattcca atggctgtat 300
 tcaaggcata atcatctgga tcgttctgca tgggttaact aatatgttat tccctt 356

<210> 26041
 <211> 486
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26041

gggttgacct gaatactgac cctaaaattg aacttcttag acgcccattc ctaatttctc 60
 tacaattgta tcacctctca atgattttgt gaagaagtat gtggcattta cctgggggtga 120
 aaagcaagaa caagcctttg ctttgctcaa agaaaagctt actaaggcac ttggtctagc 180
 tcttcctgac ttttctaaaa ctttgagct agaatgtgat gcctctggaa ggggaattgg 240
 agctgtattg ttacaaagtg ggcaccctat tgcttatttt agtgaaaaac ttcattattgc 300
 caccctcaac taccctcact atgataaaga actctatgcc ttaataagag cctccatac 360
 ttgagaacaa tacccttggt tcgaacgaat ttgtcattca tagtgatcat tactcactta 420
 agtacatctg agggataacc aacattaaca tgaggcttgc gaaatgggtn gagacctaga 480
 gagatt 486

gggcccatga tacttgcatt ctggaacata gaaactgaag ctttccgcan gcactaagag 60
 agagaaatga gcatgggttta taagaagctc tctgtatcca ctaccatttt aaattatcat 120
 tgatcagaaa ttattgttta gaaacaatta gattagcctt gtttttattt aataaaaaat 180
 ataactatat atatatatat atatatatat atatatatat atatatatat 240
 atatatatat agaaagatgt gtatatgatg tgaagctgta cctaacatat gcattaatta 300
 accctctaga cggaacacag agaggaattg gctggctgct tcactcttan attatatatt 360
 ctttaattgac caccaaacga agaagatgtg tatatcattc tagtacaaga cacacttttc 420
 gaccacctg tctgttgcta ttaacaaata gacacagagt gaataatgtt gactttcttt 480
 tgtatagcta aaaaaag 497

<210> 26045
 <211> 520
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26045

gaggannttt gatgagtent tgacnancaa gggaaattcag ctcgaccgc gggatcctct 60
 agagtcngat cctgcanggc atgctatacc tgattaatgt tggaattngg cacgcagaat 120
 tattgaagaa aaggtggaca ccaaattgga ataaagccat caccgagcag gaatatatta 180
 tatgtaagaa accatttggg aatacaaaac taaattaatg aaccactcat aaagatacag 240
 gcattatcac tagtatggaa atgcgtgtat tgaaatacaa tgccatacag aaaatcgagt 300
 atttgaaacc acaaaccaaa taaatatgca gaaaggtgta ctactacgat taacactcat 360
 tttagacact tgtaaccacc aataaatgaa tctgccaccc aagtagtact catccataaa 420
 tgcagtccaa gaccttatag acaatgataa tctcacccat tatgtcacia cttaagcttc 480
 catcacaaca ctctattgt ggtaactata tgttgtctcg 520

<210> 26046
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26046

tgctttcntt tctctctttt ttcatgtgct atttctaccc tgtcattcat taagctttgt 60
 aattgaccc caacctcatg ccttaacttt gaaaaaacct ccatttctga atcaatagca 120
 gctcgctcct tagtcaatgc aagggtatct tcttctctct cagctcttaa cctttccaac 180
 tcaagtcttg cctcctcagc cattctttca acagcactga tcttttccct ctctatgaaa 240
 agctcctgct caaaacttgc attgatatcc ttctctactt gagctactaa agcactatgc 300
 gcagcaacag cattttcagc aacagattct gcttcaatgc gtgcaagctc ttcactaact 360
 atttcagaag catctccagt agcta 385

<210> 26047
 <211> 307
 <212> DNA
 <213> Glycine max

<400> 26047

atcatgcccg acaacagcat ctatgacaag acctttatca tcatagctct aaaacataaa 60
 acagcatttt ctttctcatg taaagaattc aagctgaaat aattctcagt gggagcacia 120
 acacaagtat aaatgtctct tttaactttg agtcattcgt aaccagtcaa aaggaaaaga 180
 aacaagaaat tcattgttta tgtgtgggtca agtgcgaaaa aaaattcaac attatttcat 240
 accgagacaa tcattctatc catatcctca ttccaccaca tatgagtgtc ctataatgat 300
 ttaaatt 307

<210> 26048
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26048

ttacttata ttgttctcc ttaagattga atgttcatat ttggagacat gtctttgagt 60
 tgggtttgaa ggccaacttt agaaagaaag ggggtccattt tgtaagtatt aactttcacc 120
 ccacgctata aacttatggg ggggtttttat tgggtctcaat ggggttttgtt attgatacat 180
 ataattcttc aaagttttta aactattcat ttccaaaaag cattatggaa tcatgcacta 240
 ctaaaaatac tattttttat gacacgggat ttaagtcagt catagaaaac cgtcttttgt 300
 tatatcagag tggcaaatnt gtaaattatt ttaacatttt aaaaacaatt ttggaaaacc 360

gccatggaat gcttcagaac aaagacgatc

390

<210> 26049
<211> 346
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26049

gatttacctt gaaatggaag aatgccccaa tttggttctt actaaataga gtgaacatac 60
aatgtcatgt ttcattcatta tggactttga aaaggcgtat gattcagttt cctgggggctt 120
tctanataac atgttgatga ggattggaat tttgtgaaag atggaggaaa tggataaatg 180
gttatatgtc tatcgcaatt gtatccattt taattaatgg gcgtcccact acggaggggtg 240
atcacctaag agaggcttaa tgcanggtga tcccctacca cctttgtctt tcaatataat 300
agtggatagc cttacatgtt tgatgaacat aaccatatct aacaac 346

<210> 26050
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26050

tagcttgtgg tttatgggtg agagatcaag ggcattggaca tggcgaaact aagtaagctc 60
cgccaattgc accctcaatg caaacttcac gacctaaagt tgcaactcca gaacaagact 120
cacgtatact tttggtgctt acctatttac cctagtgcac agtcaccacc attgtggatc 180
ctttgtaaac ggtatcactt aaaaaaatt ggaatggtgt aagaagaaat ttgatgaaaa 240
ttaactgatt taattgtaac ctaatgtaaa aattattcac accattaact aataaaagt 300
atctatgcga tggcttttaa gataattagc tataaggctt aaaatntata tatatatata 360
tatatatata tacatataac c 381

<210> 26051
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 26051

tgcattangg ctgctggtct tctcgtcttc ttctcctacg ctcttttagca cagacaacat 60
gttctttccgg aaggaccgca caagtggcca acccaccacc tgcgtcctac acatttcaac 120
tcatcaatat cactttatat attatgatca attaatacgc atcatgaaca tatatggtaa 180
tcatataacg aagttaaaat aagttaattg attatatata gaagaacgta cgttctaggt 240
gactttgaag tattagctga ttagttatca gagacaatta tataattggg ggtggctgag 300
agccatataa gcttgcataa aaataaagat taattaaaca cgtaaaagac tttgtttcta 360
atztatgcta atccaaggcc accctccttt atatatcttt aaaatgactc attgttatat 420
tact 424

<210> 26052

<211> 395

<212> DNA

<213> Glycine max

<400> 26052

tctgctttat tacagctttg atactctccc ttgaggttgc accctcaggc cagtccaatc 60
taccctttct aacatacttc tcagcatgtc ggctaaacat ttgcatgaca caatacatac 120
ttatttatca tattttaagg atcaatcaat tgagattaag ttogcatggg atgtcactta 180
ctcgactctc ttcaacatgg gctgtggtaa tggaccaagt accctttcca tcatggcaag 240
atgctccaaa ttttcgtgag tctgaaacaa agctccgccc tgtaataataa attcacaaat 300
tatggaatag aatctaagag atggataaat actgttttta tacaggattt gagagagcca 360
aacataccgt gcataactca accaagatac atccc 395

<210> 26053

<211> 392

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26053

tgcntttttt agaggaatat aacttaactt ttatttccat gaatcaaact tttcttttac 60
taaataaaaa agttaagag ttaaatgatt atatcctgat attataaaat caatttccat 120
taccattcag tcacaaataa ctatttcatg aataaaatta gtgctggaac atgatacaaa 180

tacctcgcta caacattcct gcataggttc ttactgcag cagtcctgca aagtcacac 240
 tgcgagatat gaaaacagta aatcagtcag ggcctcatt cctgtctgtc cccactgcag 300
 cgaggtcttt gtatcctgag tangtgtgcg atggcaagaa acataaattt ccaataaatt 360
 ccagaatnta acacattctg gaaactaatt tg 392

<210> 26054
 <211> 344
 <212> DNA
 <213> Glycine max

<400> 26054

ctcatttttag cttgtttatg gagcttctat ggaggctgga tctttgagct tcaatgaggt 60
 ccttcaatgg tgatttttca ctatggagat gcagttgaag gcaatagaga atacgagagg 120
 ggaggcacca tgcactaagg aataatccta ggaagaaaga gcttcaccac caagaattgc 180
 cttggataag aagcttgaag aggatgcttt catggatgaa aagacagaga gaatgtggga 240
 gcacgaatat gaacgaataa aagagggaaa gaagtggaaac tttgaagtat atctcataag 300
 actttcattc atcagagtta caacaagtgt tacacatgct tcta 344

<210> 26055
 <211> 223
 <212> DNA
 <213> Glycine max

<400> 26055

cgctgggtga agatctacac agaccacatg gtgtgccatc agtttcttct attttctaaa 60
 ccctttatgc accattctaa ttactgattg gtcttaattg acaattaatt actgcggtgc 120
 attatgtggg ctcatttacc tcactgatg ctttcaatct aatctcacga cttaatgaaa 180
 cattgagctt aatccggatt ttggatgggg acttgaagag ggc 223

<210> 26056
 <211> 328
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26056

taagcttaag aaatctctnt atggacttaa acatgcaccg atgcaatggt atggtagact 60
 tagaaacttc cttcttgaac aaaaatttga gagaggaaaa gttgataaaa cacatttcat 120
 taaaaagttc tctcataaca ttttactcat gtaagtttat atggatgaca tcatttttgg 180
 ttctactaat cgatctcttt gtgaagattt tgtacacaag atgcaggagg agtttgaaat 240
 gccataatg ggggggggga ttaaattact ttcttgggtct ctatgtgaag aaaaattgac 300
 catgaacatt tttctatcaa acaaagta 328

<210> 26057
 <211> 592
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 26057

tgtcctcggt attatatact ctgcctaant ccgtatatct actgtgtcta tctcacantt 60
 cctatatcca gtggtacaat tgactcctat aaacccttag acccgttgga ttttgaatcg 120
 ctactattca gngcncatata gatactcagc ttttaaagga catggagtga attcaaata 180
 gtaattgaaa tttttggtta cgaaaatggt attaatacata taatttccac ttcaagaact 240
 cctccacaca aaggggaaat ngtgtgagaa ccgaaaaaat agaactcttct ttgaggaaat 300
 tanccaagaa accaatggct ataatacaaaa actatctacc cttaaataatt tttgggcaaa 360
 tgcagtaaata acaaattttc tatgtttcta ataaaagtga ttataaagaa cactctttga 420
 aattgacacc ccctatgaga tctaccaaag gtagaaaagc canatatatc acatctcatg 480
 gtcttctgct tgaaatgctt tgtgttaaca atggtaaaga aatactcggc aagttgatgc 540
 aaagcccatg aaagttattt ctagatactc actactagca agactataga gg 592

<210> 26058
 <211> 397
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 26058

agcttgtcat cgtgagacat caaaggctag tattttaata aatgtgggta agaaaaattc 60
 accaaattga tagagaaaaa tctaaaatca tacatcttag gcaaataagg catgctagcc 120

cccaacatta ttgcattttg attccatctt tggacattca aattggtggt tatttttctt 180
 gttatctttt cctttgcctt agtctaaatt tcaaacttac aattcggtat ctctttcttc 240
 ttttgtttct cctcatttct taataattgg atttgcattca ctttaagtaca accaaagtcc 300
 ctctggattc aacagttgaa cttcaatttc aatctttact acttgtgata aaattangac 360
 acttgtcaat ctattaacaa gtttttggca ctgttga 397

<210> 26059
 <211> 324
 <212> DNA
 <213> Glycine max

<400> 26059
 tctaattagg tacatatggg gatcaccact cttaatcaaa accttattgc ataataataa 60
 cacatgccaa aagaattaat aaggatggaa attaaataaa cttgggttatt tatagatcaa 120
 aacaaaattg gcttcaagaa aatgagctct cctacaaggc cagacgttag taccttcaac 180
 atctactcaa ccaagcaacc tataacctaca acctccaaaa atatttataaa gttaacatat 240
 taaagaattg aaacttttca gttttcatag tgagggtctga aaaacccaaaa atatataaag 300
 tgataggaac taacaaaaaa gaat 324

<210> 26060
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 26060
 agcttggttg aggaagtgtga gaagggtgaa acttcttgct tttattogtt gaccacagag 60
 tggtagcttg agatatgtcg cggggggtcag gagaccttgg ggacgtcagg tgcggtgcta 120
 ttgccccaaa ccaagcttga ccaatcccga cccaaccgg gcatagtcag tcagtgagaa 180
 cctgtgatgt acctaaacag gcgagctcct agcagtcaac agataaaagg aacaaagacc 240
 acaaagcaag gaggcttgtg tgggtggctgg ccagctatga attttgattg atatatggga 300
 tatggcctct ggtaatcgat taccaagggt gggtaatcga taacaaggct taaaaatgaa 360
 gataggaggc taagatggtc tctggtaatc gatta 395

<210> 26061

<211> 312
 <212> DNA
 <213> Glycine max

<400> 26061

gaatgtgctc aaatatgtgg ggcaatcttg ggttggtttc ttgcttgaat aaggtgaatt 60
 aaggggtttgt atgggatggc cctaaaccta taatgcattt tgaaacaatg ggacatgcca 120
 cattgtcccc gttctcttgc tattgatgcc taaatgcgcg cccaccaagt gttcgggtgaa 180
 atgcctcaat agcattaacg cgtcactttt ataaggaaac aacccatggg gcgttttgggt 240
 ttgcacatat tttctatctt ttgggacatg cattcattcc cgaaaaaggc tagagtgatt 300
 gccccacata ta 312

<210> 26062
 <211> 334
 <212> DNA
 <213> Glycine max

<400> 26062

agcttggttc tattatgaga ccatggagga gatgctgacc acctcaaaag actggatagc 60
 ggattctaac gattcttctg cggcttccac ataaagcata caggatgggc agctcaccaa 120
 gatgtcttcc tcgcctgaca cgaagaccaa atgccccctc actacgaatt tcaactttag 180
 gtggagcgta aagggcacia ctcccactga gtggatccac gggcgcccca acagacagct 240
 gtaagggggg ttaatatcca ttatttggaa agtgacttga cagggtgtgag ggcttatttg 300
 tactgcgaga tcgatctctc cctaacctct cggc 334

<210> 26063
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26063

gctgggtgca gccatgcctt cccgattttc aattgggaaa ttggcaagtc attgaacgac 60
 ctgaangttt catggcagac acaatgtaat tctttaattt ctaaccctac agctgggtct 120
 aagctctagg agtttctcct tgttatggcg ttatgtcttt tttctatcta agaataataat 180
 ataagatctt tccttcatct gttcttgcgc cttcgccctat tgtcattcat ttgcatgttt 240

atttctattg catttaaacg gtacagatcc gacgacgagt cctatgaagt actaataccg 300
 aggacccacg cgtaattttg aaagaaaatg aatcacct 338

<210> 26064
 <211> 379
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26064

agcttgctcn ctggagtttt ccgactatgc tcttgatgg tggaacaagc tacaaaatga 60
 gagagcatga aatgaagagc caatgggtga tacatggacg gagatgaaaa agatcatgag 120
 gaagcgatat gtgccggcta gttactcaag ggacttgaaa ttcaagctcc aaaaacaaac 180
 ccaaggaaac aaggggggtg aggagtattt caaggaaatg gatgtgctca tgattcaagc 240
 aaagattgaa gaagatgagg aggtaactat ggctcgattt cttaatgggt tgactaatga 300
 tatccngat attgttgagc taccggagtt tgttgaaatg gatgatttgc ttcacaaagc 360
 aattcaagta gagcaacaa 379

<210> 26065
 <211> 258
 <212> DNA
 <213> Glycine max
 <400> 26065

tacctggata tatgtcgcg gggtcatgac accttgggga cctcaagtgg ggtgctattg 60
 cccaaaacca agcttgaccc atcccgaccc aaccgggca taatcgggtca gtgagaacct 120
 gtgatgtacc taaataagcg agctcctgac agtcaacaga taaaagggaac aaagaccaca 180
 tagcaaggag gcttgtggtg gctggccagc tgtgaaactt gattgatatg tgagatatgg 240
 tctctggtaa tcgaatac 258

<210> 26066
 <211> 396
 <212> DNA
 <213> Glycine max
 <400> 26066

agttttttta attttccaaa ctcccttcca aaatccgatt tcaggcttaa ataggtggct 60
 ttgttcgtgc tegtgcgctt agtgcaattc tgaaccgctt agccgcatta gtgaattttg 120
 gcttagcgcg ggctttttctc gcttagtgaa tggactgcag tgggtgcgctt agcgggatgg 180
 cccttcactc agcgaacatg cacaactcat ccttcttcca gattcttcgt cgcacttagc 240
 cgaggaatgt tgcgctcagc ggatggctca ctaagccagc agattggctt agcgagaggg 300
 ttaaaatcaa cacttcacaa actcgccgaa ttaacgtaaa attgagataa aatgattatt 360
 aaacacacaa aatggaagta ctaagtattt attacc 396

<210> 26067
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26067

agcccaccat cttttcatag tagatttctg gtaatgtgtc tactatcatt ggcatttttt 60
 tttccgtcat tgagggtttca cttgagctgc caggctcttc cacctttggg cgtattcttt 120
 tgaaagattc gtgccccctt tttgcacatg tttttagtgc gcacccctatc cgaagccatt 180
 atactaacac tgcctaacga aggcaaccac taggtccttc caagaatgga ctcggaagg 240
 ttccaagtta gtgtaccang taacaactac ccagtaaga ctttcttgga aggaatgtat 300
 cagcaattcc tcatcttttg cgtatgccn catcttttga taatacatct ntagatgggt 360
 cttggggcaa gtagtccct tgtactgtgc aaagtctacc accttgaaac ttgggtgggg 420
 tgatgatat 429

<210> 26068
 <211> 368
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26068

atgtgaatat ccaatcttgg tctttacaat gtgtccggca cagaggagaa aataaaagta 60
 cggatgtgag gtgagaaaag aaaagaatct tgcatagaaa aaaacggtag gctgatttat 120
 gagatatata gtgaatataa aattgtgaat atatttagct ganaagaaac acattaaatt 180

attattaaaa atatcattct accttgcacc tattctttaa ttctttgctt atataatatt 240
 gttttttaca catgacgatt atgtatactt gcataatctg cagagtctta caatcagcgg 300
 gttaccttgg aaaacatgaa taaagctttt catttccaca cctttcttca cttatgagag 360
 ttgtaatg 368

<210> 26069
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26069

ttatctttca ttatatgang tccaagagtt tggaggaagc tattgtaatc attgactcca 60
 tagcagccag tgattatcaa agtcaccatg acagagctcc gactcaaaga aaagttataa 120
 cggagatgga ctcttagagt gcaattctag ctcaaaacaa actcttgaca caacaaattg 180
 aggccttaac aaagcaaata ggccaacttc ctacagcaata tcaccaaggt ggaccataga 240
 aaacacatca agctcaccaa gttcaacaaa ttttgagatg tgatttttgt ggtggtaacc 300
 atcaaaatgg tcaactattca acaccagtg atggacaaca agaaatggag gccattatc 360
 ttgtaaacca agtcagacct cgacaaa 387

<210> 26070
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26070

atatgaaaag atgcaaattt aatcatcctg cttggacgaa tgagaaaact ggggcaaag 60
 aagaggggtga ggatgatgga ggaacccatg ttgtgattgc cattottata cagtcaagtn 120
 tcccaccaac ccaacaatgt cactacttaa ccaataacaa cccttctcct tacctaccac 180
 ccagttatcc acaaagggtca tacctaaatt aaccacaaaa cccacctacc acacaaccaa 240
 cacgaacacc accttagcc catacaciaa caccaaccag aatgaattt tgtagcgaaa 300
 aagcctgtag aattcacccc aattctggtg tcctatgctg acttgctccc tatctac 357

<210> 26071

<211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26071

ttagccacat atattntatt tttttatcaa tatacaaatt ttaattttat tgcttttata 60
 attttaattt ttgtgtgttt tatcttatta aaaaatactc taagtgtatt atcatagatt 120
 aattgcatgt tgatatagag agataaaaat ttattaaata tgaatagaaa aaagacataa 180
 aataaaataa taacttcaac ttattttataa aataatatag aataatataa aaaaattatt 240
 acaagactgt aatcttttaa aatatttaag tccctcttag ttgtgggtgt gtcgtcatatc 300
 ctccaaacta tgctcagaac tggccctgta taaaataata cgactaagaa atgtgtagtg 360
 taagtgtgta accaaatgca tatatgataa ctat 394

<210> 26072
 <211> 355
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26072

gacctataaa actcagcttc acatcagacc cttcttgtgt ctggactact ttcattggact 60
 tgatggggcc tatgccagtt gaaagccttg gaggaagag gtatgcctat gttgttgtgg 120
 atgatttctc cagatctacc tgggtcaact ttatcagaga gaaaacagac acctttgaag 180
 tattcaaaga gttgagtcta agacttcaaa ggagaaaaag actgtgtcat caagagaatt 240
 atgagtgacc atggcagaga gnttgaaaac agcaagtta ctgaattctg cacatctgaa 300
 ggcattcactc atgagttctc tacagccatc acaccacaac aaaatggcat agttg 355

<210> 26073
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 26073

tatttctttg ttttagggcc aactaaagca gagaagatgg tagggcccaa ctaaataccc 60
 attacctgtt gtcctctgta aaagtgaata agattattaa taaccaccga ttcattgttg 120

ttctaacaat ttgctaaata aaaaaaatat gttcttggct cgagttgata cttgaagatc 180
 catacttact ctatacaatt tcatatgcat cttattgctc ctataccaat gaagtaatga 240
 gaggcaacag acatacaact agatatttct gcccaaccaca tgtttaagct cgacgatgag 300
 attagaattt tctccaatct acaattttca aagatatgac cataaaattc taatctcatc 360
 ctcaaacatg catgatac 377

<210> 26074
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 26074

ttagctcatg gatggaatac ttacttggtg gtgatgaaca aaagcgcaaa acggaatcaa 60
 aaaatgcgaa taaggatgac cctagggctg caaatcgtc aatcccgtgg gtatggcttt 120
 tgaaaggggg gaaaagaagt ttttgaatgt aaaaacgcc ccccttctgt catttttata 180
 atttggtgca ggggtggctc gcccaggcat tccctgcttg tttcgcacag agaacggcaa 240
 cgatcggtcg gtcgtgaccc catccccgtg tgcgttcate cttaagtacc tgcaattaat 300
 aaacaaccag gtatggccaa tcttgaccgc atcattaccc taccttgatt ggtttctgcc 360
 gttcatgggtt tgtctccact cca 383

<210> 26075
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 26075

ttgatgggtg tgagaagatt cacatgtttg tcattatcaa aaaggggggtt aatgtgaatg 60
 tatgtataca tgattttgat gatgtcaaat gatgaatcaa acaagactca ttttgcttca 120
 agattaatac aagatttgtg caacaaacaa agccttgatt caagatttct tcaagatcaa 180
 gccttgcttc acaatgaaag gtttcaagtc attcaaggca catgtaatcg attaccaata 240
 catgtaatcg attaccaatg gtttgaaatt gtgtaatcga ttacacatca tatgtaatcg 300
 attaccagag actctgaatg ttgggaattc atattttaaa tgaaggggtca caactgggtca 360
 agaaaaacaa ctatgtaatc gattacacta attctgtaat caatcaccag agagggattt 420

c

<210> 26076
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26076

agcttgcatc ttgataatgt tgcaatttaa gcccacacag tggttgcaaa ggagcaacaa 60
 taaaagttaa aaagaactta gataaggtgt agatatcata gttccttgat gatgagtata 120
 tttcatgac agactgacaa ttttgcattg gttatattga gggtttctta tctatctaag 180
 acaaaggcat tagaaaagat ttccttatga tcattaatgc ataaagtgtt taactcttac 240
 aacttgagaa aaggattgac atggatcact tttatcgaac aaaattgtag cactatcaag 300
 acgtaaattg aataatgttg aaagttgaag agacttgggt atttttgttc ttattntggg 360
 atcatatgat gaaattaana tactaagag 389

<210> 26077
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26077

tcaattggag tcttgtcttt tacagactta gttggacatc tgttgagtat gtaaacagca 60
 gtgtagactg cttcagccca taatgtgtta ggtagtcctt tctccttgag catcgatcta 120
 gccatctcca taactgtgcg attctttctc tcggacactc cattttgttg aggagaatat 180
 gcgactgtaa gttgtctctc aacgccttca tcctaacaaa atctttcaaa ctcgatgaaag 240
 gtgtactctt tgccgcatc acttcataga acttttatcc gttttccact ttgattntca 300
 gcaagggcct tgaacttttn gaatactcca nagacttctg attcttcttt tagaaaatat 360
 acccatgtca ttctagagaa gtcgtcaatg aagagtat 398

<210> 26078
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26078

agtttgagaga ggatgctnga atggaggaaa agaagagag agagaaagag agagggggga 60
 gcacganatt gaaggaagag aaagagagag aagttgaact ttgagttgtg ttcacaaga 120
 ctctcattca tcaaagttac aacaagtgtt acacatgttt ctatttatag actaggtagc 180
 ttccttgaga agttttctag agaaaacttc cttgagaagc ttctttgaga aaacttcctt 240
 gagaagctag agcttagcta cgcacacccc tataataact aagctcactt ccttgagaag 300
 cttccttgaa aagattccta aagaagctag agcttagcta cacacacctc tctaatagct 360
 aagctcacc ccatgacana atacatg 387

<210> 26079
 <211> 489
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26079

gatgagccga ttgacccttt gaannncnng nccnnnnnnn ttgannccc tagacatcag 60
 nganctatga nactcagcta ttttatgagg agataaacca tcaaatttat gtccttcagt 120
 acaaaaattc ttttgccggt ttaaatgagg agaggtanga gcctncataa agcgacacac 180
 aactcccacc gcatatagaa tatcgggcct tgtattgggt agatacctta nactccccac 240
 aagactcttg aagatcgtgg agtctacctt ctctccttca tcaaactntg ataacttcaa 300
 gccaccttcc atangtgtgt tcacgggatt gcaatcaagc atattanatt ttttcaacac 360
 ttcttttgtg tacctttctt gtgagacaaa gataccattc tccgtttgct tcaattccat 420
 tcccaagtaa tatgacatga gtcccatatc tgtcatatca nattcacgag acatggactc 480
 cttgaagtn 489

<210> 26080
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 26080

agcttttgtc tcttaacaag tgtttccaag agatcaaggc tccggtaatc gattacactg 60

tctggtaatt gattgcaaga agacaatttt gaaaaataga ttttaaaaag ggttttgaat 120
 ttgaattttg aatcatgtaa tcgattacca gcaacgacac ttcagcaaac actttgaaaa 180
 gacatgaccc ttcaaaatat aactgtgttt tctgtaatcg attactagtg aagaatttca 240
 tataaagctt tttgaaaaga cacatctctt caaaccattt tgaaaaagca caaagggcca 300
 atatatatgt gtgtttgact tcgaaaagaa agagagagat attctaagag aacttaattg 360
 ccaaatgctc tctgaacaac ccttggacaa aca 393

<210> 26081
 <211> 347
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26081

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 gttattggtt attgcttatt atttctattt aataaagtta atttgcatta ttatttagga 120
 gtacattttt aaaaggaatc ttgggttatt gggataaaat caaaataaaa ttttttgatt 180
 aggaaaagat tgtgatatct taattcaacc ccccttctta agatatctga ggccacttgt 240
 ccaacagaga gtcttttgcg cttagagcac aggcgcgctt agcgagagac tatgtcacgc 300
 tcagtggat aactcaatta gcactatntt taaaaatgca caacctg 347

<210> 26082
 <211> 390
 <212> DNA
 <213> Glycine max
 <400> 26082

agcttgcttt gctatccaga taattaagaa ctaaggaaaa tgcataaaaa ctcatagaat 60
 ttcctctaaa agtctgaaca aaataaaaaa atatgagttt tatggaaaaa caacaatgaa 120
 gcataaaaaa aacacaaaaa attagacaaa aaacgatgat agattaacga ttagagattg 180
 gcgataagca aaaggggctt acacgatcag tatgtatatc ctttgtaacc tttgatggct 240
 tcacgaatct cgttcctgtg gaggaaaacg atgacaaatt attgaaggag atagaaggaa 300
 gggaaaaaag agaggataag agacatgcac aacctcacat attgtattgc aaaaagcggg 360
 tggttcaac attctgggga aatttcagtt 390

<210> 26083
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26083

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 attgtctttg ggcttggcga tcacgatcaa caaagtactt tcggcaccta ctatatgttg 120
 acttgaccaa cgctgttatt ggaatgctgc gacaatcttt caacacctta ttcacacatt 180
 ctgatagggtt gggtgtcatg tgaccatata gtcgtccaga tgtatcgtaa gccatgctcc 240
 atttttcttt tgaaatgcga tcaatccatc ttgctatggc tggactcaat tggacgaaat 300
 tttctaagtt ttgatcaaac acatgcttgc aaggagtgtg tgttgcatca aatntgttat 360
 catcaaaagt ggtacgtaga catgaaactc aaattaaatt aatgtataa ataaacctta 420
 cccaatttct tgaacatc 438

<210> 26084
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26084

agtttattat gattttaatt gcttaaatca tttccaaata tgcattgtgaa ttaggaagca 60
 tcaacaagaa ttaagccaag gctattgtgc aagcaatcaa tggggcaaaa cacaccaaaa 120
 gattatgatg atggatggct canattctca caaaggtaaa cttatcactt tcaaattgag 180
 ctttcaaaac tatcatgaca tgtagaggaa aaacaaggat ttcaaatcac aaaatgtcaa 240
 gagactttta tttttagaac aattacccat tacttgaaca tatectataa ttcaaagaca 300
 aacatgcaaa ttttaacaaa caaaactaac aaaattaagc tagaacccaa caaaactaac 360
 aaaatcaaac taatttagca caactaacat aactaaca 398

<210> 26085
 <211> 342
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 26085

tctattatag ggggagaagt gtttggтана aatgttcagc cctcctggca attctagatc 60
acttgaaatt agtgaaaaaa aattgtttcc gtgaagaaaa tccaagccga ggcgcttccg 120
taacgtttcc gtgggtgatt tcgcgaagat tttcaaccgc tcttcattcg ttcacgtcg 180
ntcttcggtc ttcaaccggg aagatcctga aatcgaactt ttcaattcat tctatgtacc 240
ctcagtggtc ctcatttggt tcatgtgggt ttattgttat ttcatttact ttccgtaccc 300
ccttttgacg tgctctagtc atctacttaa ggtattttct cg 342

<210> 26086
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26086

agtcttcatt tacatcgnta tatgctttct gctcaaccga atccttttcg ccttttcaac 60
actcatttcc ctctcggcgg tggccattgt agcttacaac ctttccactt cctccttact 120
aagcttggtc gaagcctcaa catccaacgc cctttttctc aacaccttca tctcgccata 180
aagatccaaa tgcacccctt gaagtttgaa ttgtcttcaa ccaaagtagt attgggttga 240
aaagctgagt caagagagct tccagccctc tccaaatcga ccttcaactt gtcaatattt 300
aagaatcctt ganagtgccg agcaatcacg accgaataga anaccataa attcaccag 360
ttggccgcat catcatttgt gtcaacatgt ggc 393

<210> 26087
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26087

tctcggaag aatgagcagc agcagactag tttctttctg agagggtggg ctttttataa 60
ttctttatta aagggcaaaa ttgtccattc ataaaagttg ctgggtgcac caacaatatt 120
gttgggggca cctagcatct cccctttntc tccccagtg gcccaaataa tttgaagaca 180

aatgttaatt gcttctctta taacaaaata aaaaatattt ataaaaata attattttatt 240
 tatatgccta attgtatggt atacttccaa ctctctcatt gtttgataaa ttatattagc 300
 atattttacc nctaacttat aaaaaacaca aatgttatct ttctcattga attggcgtga 360
 cttgttgaca tagcata 377

<210> 26088
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 26088

agctaattat ttatagctgg aggagataag gttgaatggt tatgaattgt ccaagctgta 60
 caagcaaaag gtgaaagctt accatgacaa gaagctattg aagaagaatt tccaaccagg 120
 ccaggaagtc ttacttttca attcaagact caatctattt ccagtcaagt tgaagtccaa 180
 gtggctctgga cctttcacca tcaaagaggt gaagccttat ggagcagtggt agttgatgga 240
 tcctcaatca aatactccta agagaagttg ggtagtgaac agtcaaaggt taaaactgta 300
 tcatggtggc agcattgaaa ggttaaccac catcttgcac ttgcaagacc cctatagggt 360
 gacatatgtc aagctagtga cggtaaagaa gcgc 394

<210> 26089
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26089

gaagtgaagg cacgctatga tggaactggg gctgncacat cctggctttt tccagtctgc 60
 atggagattt tcaacaacaa catgggcaat gctcccaacc aaaataaaga caatgaaacg 120
 cgaagatggc gcaaacataa ccgagcaaga cctcttgcag ataccaagag gagcctgcac 180
 catggaaggt ctcagattta tgggttatatg cttcttaatt taattattaa actcttaata 240
 aatatcttaa gtcacttgag ccttttttca atttaattag tattttttta ttaaaacatt 300
 gtcactagta tgtgattaac ctatctcttt gttattgata caagattaag ctattcttat 360
 ctcaagttat tttattaact atgctcttat tggaca 396

<210> 26090
 <211> 348
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26090

gcgttaattn taaccttagg ttactctgg ctattagtca actcgggttaa gaaagataat 60
 ctcaaaggaa aacgtccgat taacctttat aaattatatt atataaggat attatatcaa 120
 ttatattatt atcatgcctc tctctgggtc taaacgtggg tacgacgtga aagatcggnc 180
 ggattttact gtaacagtga ttaaacgaga ttacaacaca aatgattggg tggaattcat 240
 tgtatcatct attatgtgag atatcggctt acacgatcgg tcaaagctcg ttagaggcag 300
 actaacagaa actgaaagtg aacgacttaa agatgaaaac ttgccaaa 348

<210> 26091
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 26091

tctatttctt atccaaggct catcttgggt gtgaagctct ttcttccatg gcttattccc 60
 tagtggatgg cgctcctct cactcttct cctttgtctt ccgctgcac tccatgggtg 120
 aaaatcacca ttaaaggacc tcattgaagc tcaaagatct agcctccata gaagctctac 180
 aagcaagctt ccatcactcg aaacattgaa aatctacagg aggtagggca gaaggagcta 240
 ttgttataca tgctggagga ggagctgctg atgtagaagc tggatgagga gctgttgatg 300
 tagcaagaac ctgagctggc ctgcccctta gtcttctggc cccctaata ataactgggtg 360
 gatca 365

<210> 26092
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26092

aggacctata aaactcagct tcttatccag gcaatncttg ggggaagct ccttcttct 60
 tggcttattt cctagaggat ggtgcctccc ctctcttctt ctcctttgcc ttccgctgca 120

tctccatggt gaaaaatcac cattgaagga cctcattgaa actcaaagat ccacccctcca 180
 tagaagctcc acaagcaagc ttccatcaag tggtaatcag agcacaagag cttcaagtag 240
 gtgctcctta nacctccatt aatttttttg cgttaccttc tcttccattg ttgtttcttc 300
 aattttttct ccattgtatct cctcacatgt cttgtgctaa atggttttta catgattctt 360
 tagagtttcc accgattaaa cttgctataa aagctagatt tgatttctat ggttcaaatt 420
 cttgttcttt tcttgac 437

<210> 26093
 <211> 374
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26093

tctttcttnc atttgtactg ncttcatgtg attccttttt ctcctctac gattattatc 60
 tcgcacatcc caatggtgaa agtgtgcaa attgagtctc gaacaatgta tcaaaatttc 120
 ggaaaaatcc aacggttaac gaatccgaa tcatagtttt accgagacag ctttgagttt 180
 ctgcgaaaaa agaaaaagtc acgatgcaa caatagttct ctcctctcca acatcttttc 240
 gtaattccca acggtgagaa tgctcggaat tgagttgtga accattttct taaatntcac 300
 gacgaaccaa cgatgaatga gtccgagatc gntcattttc tgaaacagat ttgatggtct 360
 gcatgataaa gcga 374

<210> 26094
 <211> 410
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26094

ttataagtct ttaaggaaca aggggtacaa taaattccaa acattntctt tcaaagacca 60
 tgtatgcaaa gtcaagcagc tttttagatc tttttaaaag gatatactta ctagaaaagc 120
 aattcacaca cagtaattac gaaatcttca cttggtatcc acaggatggt ctagagcaaa 180
 aaaacatgaa agaataatct ttgaaccata accttgacaa gaaaaacaa atatcaaaga 240
 aggacatttc catgaccagg gcaagaacaa agtttcatca gtctactatg aagttctcat 300

ggtgatagct aactaaggac atttgaacag ggacaçatcc gaggtatgat tgcatacataa 360
gtagaacac gaagaatcct gcttcgtatg gttctgtaag tactctgata 410

<210> 26095
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26095

tgcttcaaga ataatggcct cagcaaactt cttatttcca gaaggaaatt caatcaatag 60
acctctaate tttaatggag aggggttacca ctactggaaa acctgaatgc aaatttttat 120
tgaggcgaag ccatagaaat agggccttat ataccacta cagtagaaag aaccacaata 180
gatggaagca caacaagtgg aagcacaaca atagaaaaac ctagagatag atgggtctaaa 240
gaggataaaa gacgagtaca atataattta aaagccaaaa acataattac atctgccttg 300
ngaatggatg aatatttcag ggtttcaaat tgtaagagtg ctaaggaaat gtgggacact 360
ttacaagtaa cacatgaacg cacaacagat gt 392

<210> 26096
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26096

nntatttgng ttntggttct atttgcaata gttnttgggt gatgttggtg ggatgggcct 60
gttgatggaa tggaggaaag atcttccctt tgaccanag ttcattcctt tctcctcctt 120
caciaagttc tcttttggtt ctataaagat aatgggagct ntaatttggt ttaattaatg 180
ctttgattgt gtgatttata cttggaatga tgatgttttg ttttttatgt tggatttgat 240
gcaaaactat ttgcttttga tgtgggatga atgggttttt gaaaaacttc aaaaatgaaa 300
gcttgnngga aatggatgaa ccaatntgat tgtagcata attctagctg ggtgcaactn 360
ttggctcggt gtccttgagc tcgaattcaa tttttgaaat gttgctctaa gcattt 416

<210> 26097
<211> 371

<212> DNA
<213> Glycine max

<400> 26097

tagcttgtgc ctcttcacgt ctgaaatatg aatgtagaat atagatccaa agacccttag 60
gtgctttgct gatggcttct tcccattcca agcttcaatt ggagtcttat cttttacaga 120
cttaattgga catctgttga gtatgtaaag agcagtgtag actgcttcag cccagaatgt 180
gttaagtagt cccttttctt tgagcatcga tctagccatt tccataacta tgcgattctt 240
tctctcgat aatccatttt gttgagaaga atatgcgact gtaagttatc gctcaatgcc 300
ttcactctca caaaatcttt caaacttgcg agagggtgtac tctttgtcgc gatcacttct 360
tagtactttt a 371

<210> 26098
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26098

tgatgtcatt canaagagac tatgtcgacc taaatttaga ctgaacatgc attgtttatc 60
taattgtatt cattatgcga tataatttgt tgtaagccat taaaggataa ttattaagta 120
ctcattgcgt taagaaaaaa attagttagt gcaacaaaaa tcaattacgc atgtacgata 180
cattgttgtc ataattgaca acacttaatg atatgcatgt gtattaaagt ttgagcgtga 240
cacaacattg actgacttga caacacattt tgatgcacga cattgggttta gtaggaacaa 300
taaacacgta acatgttcac gcgtgtctat tnttttgtaa aaaaaagtga agcaatctat 360
cgttgagaac catgtatata tatgagacac gaaaaatgct aataaatcac acattgccat 420
gctt 424

<210> 26099
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26099

tcactcgacc gggatcctta agcacctgcg gcatgcaagc ttagtgacat aatgtgttgg 60

caggaattag ctggaagtca cattagaccc cttctcttct cacactgcaa atgcaattga 120
catccatata caaattaaag cccctctact ctcaatcaat ctttctcttc tacgactctt 180
cccggtagaa ctgaaacccc gcccttagct actatagaat cgaggccctt ttttcttttt 240
ccacttttct cgaccttcag ttttaaattt ctttcttttc tttcaaaata tgcattgtaa 300
taatgatcta acaaatagcc aacataagat ttttcattta ttttgagaat gaatttaaaa 360
ctttaaatca atggaattta tggctctntt gatatttcca tatttatata cgaactt 417

<210> 26100
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26100

cttatgcctg gatttgatcc tgaaattatt caagtggctc agatggctct tataaatccc 60
cggaatattg actatcatalc tggagttttt gcaaccaagg taacaacatc ttgtaatttc 120
ttgatataat ttttaattggc tactatgaca tgctacacag tctctatggt tgttgatatg 180
atcacgcctg caagggatgg aaaacctgtc ttgattgaac ttattgatgc gaaaaccaag 240
gagccgaaag acacgctgga ggtaacttaa tctttttcag aaagctttta gggttatatc 300
tctttgntat tatcaattgg aaacatttct cccatgagag aangagagaa attattatgt 360
gtcggtagaa cttagaatat ctatacnaag tatattgtat tatatcttag aatgtttata 420
ctatcttaat g 431

<210> 26101
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26101

tttgctcatc tagatctgag tggaaattct cttcttgag aaatcccctc tgaagtatgg 60
aagcttacag ccttacgata tctagatcta agttataatg tggctattca tggagagatc 120
ccttatcact ttaaaaatct ctcaaaactg caatatcttt gtcttagagg acttaatctt 180
tccggaccaa tacctttccg ggttggaat cttctatct tgcatactct tagacttgaa 240

ggcaatnttg atcttaaaat taacgatgca aagtggctat cttctctctc tttnttaaca 300
 actcttgacc tgacatcatt gcataatctt ggctcctctc gttactggca acaaatgac 360
 ggtgagctta taacacactt gagagagttg 390

<210> 26102
 <211> 394
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26102

tattccanac ttaagagagt tgatgctagt tggttgtttt ctttcagata ctattattca 60
 atctctgttt tattcacctt ccaactnttc cactgctctt accatccttg atctttcttc 120
 aaataagctc acatcctcaa catttcaact ggtgtcaaac tttccttctc ttgttatcct 180
 tgacctttcc tataataata tgacatcatc agtctttcaa ggtggtttca acttcagttc 240
 aaaacttcaa aatcttgatt tgcaaaattg tagtcttacg gatggaagat ttcttatgtc 300
 atcttctttc attatgcgtt cttcattntc tcttgtttcc ctagatctct cctcaaactt 360
 tgtgaaatca tcaactatan tttactgggc tctt 394

<210> 26103
 <211> 397
 <212> DNA
 <213> Glycine max
 <400> 26103

atctttgtta gattaactat aactgctttg tgtgtatgga taggtcaaag atcgagtgtc 60
 aaaagtaagg aaggcacaaa aaatgtgggc aaagtccagc ttcaagcaaa gacgcttatt 120
 tttgcgtata cttttaaaagt atataattaa acatcaagcg cttatatgcg agtaagaaca 180
 cttttccatg gttgtagaag tttatcatat ttttttacac ttcttggaac cgtttgatgat 240
 acagacttga acttatagtc acttttttga catttttagga aatatgcaaa tctttcatag 300
 ctaccacta ttttttagtta tctaccgtt taatccatct gctctgaagt agatgtaa 360
 tgtgatcatt gcatgatgag aatgatgata gcatctt 397

<210> 26104

<211> 300
 <212> DNA
 <213> Glycine max

<400> 26104

cacatacatg cgccaacgaa ccaaatagca cacaaaaaga gtacaaggcg ggctaaacgg 60
 gacttacagg aaacgcatta tagaccatgt gatgctcaat atcaagcaag ctcccagtct 120
 ccagacacga aagtctgtga actggaaagc tagttttcaa aaactgttcc aatcgatgcg 180
 catcgatggt gtatctatag cctccgtctc cgctaaaacc aatcagaacc acgttcactt 240
 ccagcggaac ttgaaacgga acctacacga accacagaca catgcattca cacatcaatt 300

<210> 26105
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26105

agcttcttat ccaaggcaat tcttggtggt gaagctcctt cttccttggc ttattcccta 60
 gtggatggtg cctcctctct ccttttctcc ttgctctcc gctgcatctc catggtgtaa 120
 aatcaccatt gaagaacctc attgaagctc aaagatccag cctccataga agctccacaa 180
 gcaagcttcc atcacaccct ttgtgcatgt cttcatggtt ttacatgcct catgacacct 240
 aaacacactt agtagagaat cttgaatttg atcttggatt agtgggctga accatagctg 300
 anattcacta atcataatta gtgaaatggt ggctccacaa attcaagttc aaattcaagt 360
 gaaatttgaa tagaaaatca aaattccctc caattt 396

<210> 26106
 <211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26106

tcccgaacca acccgggcat agtcgggtcat tgagaacctg tgatttatct aaacaggcga 60
 gtccttgga gtcaacagat aaaaggaaca aagaccacaa agcaaggagg cttgtggtgg 120
 atggccaact gtgaattttt gtgtgatata tgggttgtgg cctctggtaa tcgattacca 180

agggtgggta atcgattaca aggcttaaaa atgaaaacag gaggctaaaa tggctctctgg 240
 taatcgatta ccacggngtg taatcgatta ccaggcttga aaacgaggtc aggaagccat 300
 gaaggcttct ggtaatcgat taccaagggg gtgtaatcga taccangctt agaaggggac 360
 tggaaca 367

<210> 26107
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 26107

agctccacgc atgtaagtac aatctcatca ggtgcaagac tatcacagat gtcttgtctt 60
 gtaataaata aatcagctag aactgaagct gcatattctt gggtttcttc atttgatgaa 120
 ttgaggactt gaactagaga tctcaagcct ttattagctg cagaaccctt ttcaaggaga 180
 tcattctgcy aagccatagt aagaacatga cctaaaactc ggattatgtg ggtttttgag 240
 cttggagaat gccctatgag caatgctaata agctgattaa ttgtggcaga atcagctact 300
 cggacaagct ttgtgagtgc cattgcagaa gcttcctgtc ctcttgggtcc accactctta 360
 agaagccaca aaaatgctgg gatggctcca gcac 394

<210> 26108
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26108

tgaccggatg tatgatacat cttcttcaac ctttgttatt cttgactcca tttcattgaa 60
 gcgcataatc acttgcaatt ccaaagtatc aaacctctca ccaacatatg tttgaagacc 120
 atcaaaccct tccaaaatct tcgaaagaag agatgaatct tctccctcat gtctttcttc 180
 accaacattt cttagcactt tctttaccba agagccatca tgctccttaa tataactaaa 240
 ggatgctatg actgaagcgc ctataaggaa tgatctcttg attggaacat aggggttcaga 300
 atcaagaggg atgttgaagt gttgaaggan aagggttaata acatgaggat aaggcanagg 360
 tgcattcaat cgcaatgcct tatgcatgcy atatctaa 398

<210> 26109
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 26109

ttacttctgg tgggacatct tgacttgctt tccaatctga cattcaccac agattctgcc 60
 ttcttctatt ttcagattgg gaatgcctct aacagcacct ttgtcaatga ttttcttcat 120
 gcctcttaag tgcagatgtc caaatctttg atgcatatt ctgacttcat cttctctgga 180
 gaatagacat gtggaggagt aactggtttc ttgagggtgc cataggtaac agttgtcctt 240
 tgatctactg ccttcatca gaacttcaact cttctcattt gtcaccaagc attctgactt 300
 tgtgaagttt acattgaatc cttcatcaca cagctgactg atgctgatca agtttgagc 360
 cagtccttc accagcagta ctt 383

<210> 26110
 <211> 348
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26110

tatgttgcaa acatttaaata taccctcct cagctgtcta accaacaaca acagaataat 60
 tatgaccttt caagcaacag atacaatcca ggttgaggga atcatccaaa tctgagatgg 120
 acaagttctc cacaacaaca acaacctgtc cctccttttc cagaatgttg ctgggtccaag 180
 caagccatat gttcctcctc caatgcagca acaacagcag cagtcacaac aaagacaaca 240
 aggaactgag gctcctcctc aaccttcctt agaagagtta gtgaggcana tgaccatcca 300
 gaatatgcaa tntcagcaag agacaagagc ctncattcag agtctgac 348

<210> 26111
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 26111

tagcttatcc ttatggcttg cctccggact tcacccccg tgccaccccg gaagatttaa 60
 gccaaagccc tactttcgag gggcaactcc caccttatga cgactatccc gggcaagacg 120

atgaggaagg agatacccat cttggccccc tgctccacct caaagatccg tccccccatg 180
aactacccca actgaacata atccgccata tcccggcctc acccacaccc gtaaaagaat 240
ctgttccctt cgcggaagat aagggaaaga ttgaggcgct tgaagagagg ttacgagcag 300
tcgagggcct tggcaattac ccattctcgg atttagcgga tttatgtctc gtgcccaaca 360
tcgtca 366

<210> 26112
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26112

tcgggtgatc tactactctt ctagaacttt ggatgctgcc caagcaaatt acactaccac 60
agagaaggag ctattagcga tagcttttgc tcttgagaaa tttcgttcat atttgcttgg 120
tactcgtgtt attgtttata ctgaccatgc agctctgaag tacctgttga agaaggctga 180
atcaaagcct agattgatca ggtggatgct ttggatccaa gagtttgatt tggagatccg 240
tgatcagagc ggtacacaaa acctcatggc tgaccacctg agtaggattg agcgtgcgcc 300
tgaggaactc acccattcgg atgatntttc agatgaccca ttgtacattc tgtataagat 360
ctctgattcc ttccccactc cttggtnrng ctatattggn gaatattggn tgcttctggt 420
ttcctcccta cn 432

<210> 26113
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26113

ttagtttata ccaaagcaac tcanaatcta ggtatctaaa acccctcaat ttagtggatt 60
ttcaagggtt gagaaagtga aatgagaatg gggtaaattt ggagcaaact ctcacctcac 120
acaagtctat aaccttaatc taaacttgct caaactgggt ttacgcctaa aattccaccg 180
aatcaaaatt tgactcctca acacccaatt taccctagaa atggctcttg ccttcacttt 240
ggtcattcat ttttccctt tgcacagccc aagctttccc acagtccctaa atgacatttc 300

aaactangat taactccctt taacctccaa ttaccaccaa atccagattt aactnttcaa 360
actctcanag catcactctn ttccactcat 390

<210> 26114
<211> 189
<212> DNA
<213> Glycine max

<400> 26114

tataaaactc agcttctacc aatggactta ctttgaataa tccttgatag cccttttgag 60
ccttgtttcc ctttccttgt tttgaagctc actacaagcc ttaaagaaa aaccatgata 120
tcaccatata ctttaaggaat tttggagctt tggaattgtt ttgggaataa gtgtgggggg 180
ggggggggg 189

<210> 26115
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26115

ttagctcnga tcctaaatcc tgactcacca taaaccttga cccatggtga gaatgtcaat 60
ccttaccctc ggaagcaaaa aaatagagag agagatagaa ggataattcc caatcgtagg 120
aaaaaagaga ggaaaggaaa ttcccaatca aagagtggga gaaagcaa at agaaaagaaa 180
gaaaattccc aatcaaagaa tgggagaaag aaaaaaagag aaaagaagga aagaaagctc 240
ctgatcaagg atcgaaagaa aacagatgat atgtgcagag aggtctttgg accagacaat 300
atctgaacaa tacggaattg tcaccaa atg aacaaaagac agaaaaggaa accataacct 360
ataagtggtc 370

<210> 26116
<211> 403
<212> DNA
<213> Glycine max

<400> 26116

gcttgaaata cttaatcgcc ataaaaaaaa gctttgctgc acatactttt tttgtgcaaa 60
aggaagtact ttgttgttgt aacattcaac acgccaacac tgaagaatgg ttttttacca 120

tgaaaaagta tgtgcattta atgctccaac gatcacatta tttatatgca agcttaagag 180
 aagaaatattg tctattttaga gacaacatat acttgattga gggagactta ttaataccac 240
 aagcattgaa gacataaagt atgtattgaa gtgctcttta ttcaaattcc tttctgtaca 300
 aaagcttttt gtgcaagttc ttgtaaaagt tataaaaatt ctcagaacac tttcattatc 360
 ttgagagata taactaagtg gtgaaagtat ctatttgtct ata 403

<210> 26117
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26117

agtttactta tttgagaatg tctttgaaat tgctggtttt ttttaccata taccgatct 60
 gaaatttttg gttaaatgta tgtctttatg aaaatttggt aagggtgataa ttagaaggat 120
 taagccatat atagttaaag tgcaaggttc taaggccaaa gtattatttg gaaacaataa 180
 ttgtcttcat atgaatttgt tacccttctt cgggtcttcc tctccttagt tgccattttc 240
 atgtccacct tacactttgg ctgacttata tatatcatca aaccacttaa agcacaagca 300
 catgttctat ctgacagcaa ctactagcca cctcacataa gggatttcat gcttttagga 360
 ttgtntcatt ctagttaaaa aagaatg 387

<210> 26118
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 26118

ttcaagttaa agaacgaaat ccattctacc ttcttgtaa gtccaacact atctaataat 60
 ttcccatctg aagagaaatg acagcaaaca actttgttgt tgcttttgca tatagaacca 120
 acttcactga aggaaaagcc tgaaatggaa gcaatatagc cagcaacctg gtaaatggaa 180
 tgataaaaat ttaatgatcc ataagaacat tagattacct tttgaagcat ctgcgggcaa 240
 atttcccaac gaggcgctgt ttacaaaat tattcccagt ttaaggctgt ttggaaagta 300
 ttttccaggg ggtgctgttt ttgcacgtcc ccggcatggg atgcaccatt tctgatggcg 360

acttcgtgca tggcagacac gtgtc

385

<210> 26119
<211> 166
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26119

catcataact ttgatggtga aggaactact acaactagaa agagnaaaaa tgaattactt 60
catgaatctc anaatgtaaa catgtatgac attatctagt aaaatccata cattcctagc 120
aagagaaaact ctgaagaagt tcaaaatata ttgccagaag cgcaat 166

<210> 26120
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26120

tgtgtatgaa gaagtgttcg ttggagcatt aaaaacttgc attaaatgca tgtcctctcc 60
atgttgagaa atcactctct ttagttttat tgaagcatac tttagtagaa aatcatgtgt 120
ggttggttag aggagatcta tcaaagcaag cacaattatg tatagcagag cgcgtctttt 180
gagaatgggt aaactaatga gcgttggagg atctcatgct tcttatgact tcaacaatcc 240
ctatgaagaa tgtttttaag acattgctgc ataatgaatc tcagacatag agtattaaat 300
anagtcttac atgacatctt acatgcctta tcanattata acatttgtct gccttccgtc 360
taaacttcag acgtgggtac aatgggtttt ggctgattgc aca 403

<210> 26121
<211> 318
<212> DNA
<213> Glycine max

<400> 26121

agtttcacag tgcatatcaa ccttgagtac tatctctggg ggctcttcat cctttttctc 60
ttcttccttc ttttctctg tgggtctctc tttcctttct tcttcttgt tctcctttaa 120
cagcaaagag aatattaatt gaatatagca aagatgtgac tgaaaaatct ccaccatgtg 180

tagaactaga gtatatatgg catgcattac ttgataatga tgccaccacc atatatatca 240
tagagcagac attatataca aaagatcata aaagttaaaa aaatgcatga tcctagtcct 300
atagtgtagt tagttttc 318

<210> 26122
<211> 350
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26122

tacccaaaag ttagaagcat cttcccgggc atgtgttggg gttcttggag aacttccata 60
acctggaaga cctgcttttg ctgaatactt atcagccttg acctaacag caaatgaaaa 120
agcaaaaaca aatcacgact tgtttgattc tcttctcaat tttgttttaa aaaaagtatt 180
taaaacaatt caacactatt caacaaccaa aaatagaaac atctagattc tagaagatgt 240
tntctcatct tatttcatct tatttgactt aatcaattcc aactccatt gagtgtcttg 300
cgcttctctc caccatctga acaacctttt tagtagcatt ttgaaaactg 350

<210> 26123
<211> 378
<212> DNA
<213> Glycine max

<400> 26123

atcttgttta gttccactta gcactatgga ttaactggta tggagtcgct caagcttaat 60
aaatgatttt gtatgtaact gtattaaata cttgaaatga caattttgtt tgttaccttt 120
agtgattcta tcatgcttga gcaagattgc gtccattaaa aaatacttgt aatatcaaac 180
caaaaaatat taagcttgtg aaatgatttt ttatattggc aaatgttaat tattattttt 240
tgtagtgga gaattgaacc cgcaactttt cgatccctct cttctccttt taccaccaac 300
caaccttata actcttaaaa ttctaaaatg tgaattgttt ccattggagg ataactgtga 360
tcttcaacca caaaaaaa 378

<210> 26124
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26124

atatagcctt catcttcaag atttggtgtc tcacaatggc tagattcttt gctttgatct 60
tcgtctaaag tctcgagtcc attggagcat ttaatgcttg cntaaatgc atgtccttcc 120
ttcatgcaaa gttcatgttg ataggatagt gtatcttgta ctttaagcagg gaagtcattt 180
atttcatcat agtaggggtg caacaacaga gtttgccctt tgatgagaat caacatttnt 240
caggctgtgg acttcattta ttcttcattg aactttgaca catcctatga gaatattttt 300
gcatgaaaga atctcataca cggagtatta atgaaggctt taaataccct acttanatgc 360
tacatcagat ccgcttaaga gtgcacgtgc tataaacttt caacacacca ttttatata 419

<210> 26125
<211> 336
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26125

agtttgtttt gtttaatccg cacgaangac acgtgctcat gcaacaattg gtaaccgatg 60
ctataccaga catatttcca aacaaagtca ggttcacgat aactcacctg cgctcttgct 120
tccatgctat atgatacaca gtgattgatc caataatatt cgatgagtcg gaaaatgatg 180
ccgcaattat actgtgccag caggagatgt atcatcccc tggtatcggt gacatcatga 240
ttcaattgaa tgagcatctg gtctgagaaa tcaaagtgtg tggctctgat tatctacggt 300
ggaagtaccc ggctgaacga tacatgaaga tctcaa 336

<210> 26126
<211> 480
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26126

gagcacatga tccttgcatn ctggaccttg aaattgacgc cttggaactc cccaagacaa 60
tgagacctag cgggtgttcta agatagagac atttgccagg gcagggttcgt ctcttctgca 120
aaagtttcag aacggggaaa acacacttga agatctttat aaggatttga cagacatgac 180

attgcttcat gattactcaa tacgcaaaat gatgtgatct atggagagaa tgtgaaccag 240
 cagcgtatga ttatgatcag ctcaaaatcg tcccacaata tttggctgga cgggaaaaca 300
 cgagatctgc gcaatccttg aatgatgaga ttttgaagaa tcacgatttc atgggcagcc 360
 tcgagatggt gccacttca tgaggacatt attaccttta ttctacaata gccacagttt 420
 cattggatta agcacctcac ccctattagg aactcgtatt gcactctaca atcgggaacg 480

<210> 26127
 <211> 257
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26127

attttcatc ttttgtcctg ctcatanatg atgcgtgaga aaacatgctc tattttcatc 60
 tcgcactcca agtaggcctc cagatcattc tttcctttaa atggaggaat gtggagtcca 120
 ataccagcaa ttcggtaatg actaggaaca ccatcatgcc ctctgactct gccttcattt 180
 tgattatgaa cactattttc cattagatcc aacctctcat ggagcgcac atcatcgtcg 240
 ttgattaacc tctccaa 257

<210> 26128
 <211> 323
 <212> DNA
 <213> Glycine max

<400> 26128

tatattattg gcctgaatca gacatccgaa tcaatagtta tggctgttta tttatgccat 60
 gtgcttccat gttcaattgt gaacatctcg atatattatg cgcctgaatc gggcatctga 120
 gtgaaaagtt atgtcatatg agttagccga gagcttcgct ggtcgatttc aagcgtctcg 180
 acatattatt ggctgaatc ggacattcga ggcaaaagtt atggcgggtt aaactttcca 240
 tgcgcttcca tggtaattt tgagcatctc gatatattat gcacctgaat cggacatctg 300
 agagaaaagt tatgccatat gag 323

<210> 26129
 <211> 354
 <212> DNA
 <213> Glycine max

gcacaagaaa ggcgtatgga gtatgaaatc cttgtgaaca acacactacc atgtctgaga 300
 atcaatgccca agaccacgaa aagtattgcg actgtctacg cagaaatgaa gattttgaag 360
 aatatgccaa t 371

<210> 26132
 <211> 389
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26132

tagtttgtgt ctaagnngca atctgctatt ccgatgatag tgaccacgcc tgagaaaagg 60
 gataccatta cacgcaagag caggacata tcattgacca tgggtggtaa gctcttaatt 120
 attgatgaag tccatctact caatgatgat agaggctctg tgatagaggc tctagtttcc 180
 atgaccctac ggcaggtaac gcatatgtct tatttctct gtgtttttac atgtacaaat 240
 ttagttagga gattcgctta aatttattat attctctttt ggatatatga ataatacagac 300
 attggcttat gacagctaac ctgatatcta tcttacttgt tccacatata aagcgagctt 360
 tcttattgat cgattttgcg ttggcactt 389

<210> 26133
 <211> 377
 <212> DNA
 <213> Glycine max
 <400> 26133

ctcacagctt caatgttaat gtcacattat ataatgtcaa aaattttatc acattatttt 60
 gatcatggta tggatttgta agtgacatcc ttggccagag tggatttgat tgggatggca 120
 ctaagcacat gatcacagtt gagaatgaaa atgcttggaa tgaatattgc actgtaagta 180
 ttctttctct aatatgttgc tatttggtat tcaaaggaga ttggatttga ctttttctgg 240
 gtttccagtc gcataaatcg gctataccgt tgtgattcaa ggtgcttcga aattgggatg 300
 atatagtgga ttcgtgtgct aaagatagag cccccggta tggagctgaa actgctatgg 360
 atgctgatga agcgatg 377

<210> 26134

<211> 331
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26134

ttgttttgtt tggagcttca atggagaatg gaggagaggg aataagcaac gtgaggaaga 60
 gggagggaga gagctgttct gaaattgggc tgagtgaaga gagagagggt tgctttttgg 120
 gttttaaaag gctggagctt ttattgacct cttttcttat aattttattc aagctctgcc 180
 acatgtccct atttgattgg ancaaaaagg gccactttc tctttttgac tgtgacccat 240
 actcagtcac aaaagtgaga aaaatctgac ctttgaaacg ctaaaatcct gcctcggttt 300
 gcgtgccata tctctggttc cagtttctcg c 331

<210> 26135
 <211> 440
 <212> DNA
 <213> Glycine max

<400> 26135

taatggtaag aaaagagtta cacacacagt catctaataa gcatcatgta tatatatata 60
 tatatatata tatatatata tatatatata tatatatata aactgtgagt ataaaataaa 120
 agtgtgtgtt tctatgtaag aaaaagaaaa gctaagcgcg gaaaggcaag taatagagct 180
 agaataaaaa gaaaaagatc gatctatgga tgaatgctct cctagaacct aagcttttgc 240
 atcctagaca aaccatgaat tgattgcagc ccagcctcgt taaaacctt gaaaagtcct 300
 ttggatacag tttgtgtgtt cttgactgta tggcaagaga tgaacttcac agattgagat 360
 gtattttcgt tctcgattca tggataagcc taaacacttg tgcttgagtg agacagtagc 420
 tatgaggctt tgtaataaag 440

<210> 26136
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26136

agctttgtta acaagaattt catcaacgag tcaagacatg aaaaaagcct gacgagtaaa 60

005101 301.4400

<210> 26139
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26139

tgtttcaatt canatgacaa ttacctttac tttatatcnt gatgagtccc gtaatataac 60
 gagacgctcg aaattgaatg ttgaagctct gagccaattc agacgacaat aactttttac 120
 tgggatgtct gattgagtcc cataacatat cgagacgctc gaaattgaat gttgaacctc 180
 tgagccaatt caaacgacaa taaagtttta ctcgatatac tgattgagtc ccgtaatata 240
 acgagacgct cgaaattgaa tgttgaacct ctgagcaaat tcaaaagaca ataactctnt 300
 actcgatgtt ttgattgagt cctgtcatat atcgagacgc tcgaaattga tgttgaaact 360
 ctgcccanaa caaacgacaa tagactttta ctccgatgtc tgattgagtc ccgtaca 417

<210> 26140
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26140

tttntatgat acgctggggt ctacaggcga ttcataaaag atttatgaaa agtcgccaaa 60
 ccactcagca atctattgaa caaggacgtt gtgtttgtgt ttaatgaaaa atgcgtggaa 120
 gcatttaatg atctaaaaac cagactagta tctgctccgg tgatcacagc accaaaatgg 180
 gggcaagaat ttgaattgat gtgtgatgca agtgactatg ccgtangtgc tgtacttggg 240
 cagacaaaag gcaaaatctt tcatgttata tattatgcca gcaaagtttt gaatgatgca 300
 caggttaact atgccgccac tgaaaaagaa atgttngcaa ttgtctatgc acttgaaaag 360
 ttcagatctt acttggtggg atcaaaagtc accan 395

<210> 26141
 <211> 496
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26141

ccccgacca tgaacgttgc attacggacc tatgatactc agctttagg tgctngactg 60
 cagnttctat tggcccacta tcttcaaaga tgcgtggaga atctgtagca cttgtgagcc 120
 ttgtcagaga acaggcgtct cactttcatg cagacaacaa atgcctcaac aacctatgtt 180
 ggtctgtgag gtggttgatg tccggggtat agactttatg gggcccttcc ctgtctcttt 240
 tggntttgct tatattctcc atgatgttga ttatgtttca aaatgggtgg aagccaaagc 300
 caccagaact aacgatgcta aggttgttgt ggattttgtt agatctaata tgttttgcag 360
 gtttgagtc cctagagcca tegtcaagtga tcaaggcacc catttttcta acagatccat 420
 gtatgccttg ctcaaaaagt atgggggtcgt gcacaaaat tcaaacctt ccnactcca 480
 aactaatggg caagct 496

<210> 26142
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 26142
 agctttgttg gacaagaacc tcccttgta gttaaaggag ctgacattcc ttccaaattg 60
 gaagacgtaa atcgattgag taaggccatg gatgaattat tacaggaatt gaggaacaat 120
 ctgctcaagg ctcaagatca gataaaaaga tttgtaaaca agcatagaag ggagctagct 180
 agtcctacaa gaaggagatt ggattttttt gaaactgcaa ccttatagaa ttgtagtcaa 240
 tgaatcttaa ggcaagtata acataaggaa attcataatc caccagacga cgactcttca 300
 gcataatgtc ttcaatcaac aacacccaat tcatcttgat acctgatttc agaccatata 360
 cagcctgtag attatcatcc attaccttag cg 392

<210> 26143
 <211> 336
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26143

ggaggaaaag aaagaggag agaaagagag agaggggagc acgaaattga aggaataaaa 60
 gaggcagaga agtggaactt tgaagtatgt ctacaagac tctcattcat caaagttaca 120

acaagtgtta cacatgcttc tatttataaa ctaggtagct tccttgagaa gctttcttga 180
 gaaaacttcc ttgaaaagct tctttgagaa aacttccttg agaagctaga gcttagctac 240
 acacaccctt ctcataacta agtcacctc cttgagaagc ttccttaaga tgattcctan 300
 agaagctaga gcttagctac acatacctct ctaata 336

<210> 26144
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 26144

agcttggttc ctatggaagc tcctaataac tcccacactt tttgggtg ggcattcttg 60
 gatggccttg attttctcag ggttcacttg gacccattt ctaccaacta caaacctaa 120
 gaaaactata ttatctacac aaaaggtaga cttctctata tttgcataga ggggtgtttt 180
 cctaaggact gaaagaactt gtctgagatg tcctaagtga aaatctaggc tcctactata 240
 cactaaaata tcatacaaat aaacaactac aaatctacct atgaaatccc ttaagacatg 300
 atgcataagc ctcataaagg tgcttggtgc attagtgagc ccaaaggca tcactagcca 360
 ttcatacaaa ccaaacttg tcttgaaa 388

<210> 26145
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26145

gcttatctca cactntctat gttaatatta attcatttgt gtctattcct cactctcaga 60
 cacccttcta ttgtgtgtca ttatggcatg gccacttgc cactgtcttt tcattttccc 120
 cccttcttgt tttgttatgt tacttttcag attgtctttt ctgttaatca taattttagg 180
 agtgtcagat gttactcttg tttgattgga ttttatagtt ttttttaac attcattcag 240
 ttaacgaaga aaaataaatt attttagatt aatttatatg cttaaataata tgtttttatc 300
 ttttgtttta cattcttatt aatttatgaa taaattaata aatttggatt tgtatctgat 360
 aatatttttt atttataatt agttgaaatn tanaccaaca ttattatatt atgataaaat 420
 aaatataaag tctctgattt aat 443

<210> 26146
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 26146

agcttgctct aaaatgattt gatcaaccaa gaacttagat ctagatgttc ccaagcttca 60
 aaggatgaca aaaagaaatt tggaaccaag actgagagtt ttgcacgaaa atggtaagga 120
 aacaagaaga gaatgaagat taagagtctc ttatcaaagc tttgagggaa gaagcccca 180
 ggacaattgt atgaagcttg gaagaagaag aagaagaaga aaatggactc ctctccctcc 240
 cttgaagaac tcatgaacaa caatggagaa tgaaggttcc aagtttgata tttttggagg 300
 agtgaagaga taaggcttta aggcttggtc caaatgaaac ttggtttaggc ttaatgttga 360
 taagatcaaa ttgacaaaat gaatgaccat ttgat 395

<210> 26147
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26147

tgaatgagaa cgtgaaggtg aacttctgtt tattgtgacc atttatggta cctggagata 60
 tgtcgcgggg gtcaggagac cttggggacg tcagggtggg tgctattgcc caaaaccaag 120
 cttgaccaat cccgacccaa cccgggcata gtcggtcagt gagaacctgt gatgtaccta 180
 agcaggcgag ctctggcag tcaacagata aaaggaaaac aagaccacaa agcaaggagg 240
 cttgtggtgg ctggccagct gtgaattttg tataatatgt ggattgtggc ctctggtaat 300
 cgattactga ggggtgggtaa tcgattacaa ggcttanaat tgaagacagg aggctaagat 360
 ggtctctggg taatcgatac cacgngtgt aatcgattac caggctttga aa 412

<210> 26148
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 26148

agtttactct gcaaacattt ataatagacc tcctcagtag caaacccaac aacaacagaa 60
 taattatgac ctttcaagca acagatacaa tccagggttg agaatcatc caaatatgag 120
 atggacaagt cctccacaac aacaacagcc tgtccctcct ttccagaatg ttgctagtcc 180
 aagcaagcca tatgttcctc ctccaatata gcagcagtca caacaaagac aaaaagcaac 240
 tgaggctcct cctcaacctt ccttagaaga gttagtgcgg caaatgacca tccagaatat 300
 gcaatthtag caagagacaa aagcctccat ttagagtctg acaaatcaga tggggcagat 360
 ggctgctcag ttaaaccaag cacaatccca aaattctg 398

<210> 26149
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n'locations
 <400> 26149

tatgcacgga aaatgtaatt atgaaattga gatgctttaa gaaacaccat tttctagtta 60
 accatgcatt aagtaccatg ttcaattatt ttgtttttaa gtgaaacggg tttatgatcc 120
 caacatgggt ggctcgtggg gctaacaca tgaaactaag aatgtagtgt gaagtttcac 180
 gcttccccct tttttgtttt tgttttgtag aggaaaacac aaggatgagc aaacatgana 240
 acaaatggta tgcaattttg cagatcaaaa agtttggtga acacatatgc atgatgatgc 300
 catgactcat gcaaaatgtg aggctggaat atgataacgg acaaatgcan gatatgtcca 360
 ttatgatgtt atgaagagat gcttatgcga tgcattgata tgaatgcatt tacggacacg 420
 agagcccgga naattatctc ttcttac 447

<210> 26150
 <211> 335
 <212> DNA
 <213> Glycine max

<400> 26150

tttcttcaac ttacagagag taggtcaggc ttagcgact tccaagaatt caaaagccgt 60
 aagagattgg cgcttatcgc ctctggcct gctaagccca gcttaaaaac tcaagttata 120
 gaatggatct gggacttaac gtaggatagt gcacttagtg ctgctacaat aaaatttttc 180
 ttgagaaaaa gtggcactta ggcacatc cagcctaagc tcaactggta aagttcaatt 240

accgtgaaga tgtggggcctt atcgagaga tgtgcgcttt gctgaactat tcaaccaacc 300
aatcatgggt ctatgcgctt agcgctagca agctc 335

<210> 26151
<211> 349
<212> DNA
<213> Glycine max

<400> 26151

gcacaacaag tcttccacaa tcacaatgcg cgcataaacc caccataccc tgttgcccac 60
cttcaactga gctcacggac tccacgtagc ccatatcctc agttctctca acaccgggtc 120
cccatcaatc ctcccaagct tccacaacat ccaagcaaaa cagcattcaa accgcacaag 180
ctatgcgact caagcaaaac agagcagagg cagaagactc tgccaaaaca ccaaccaaatt 240
cacagtgttt ctcaactaaa gacgccagta acaatccctt caatccaatt cagtaaaccg 300
ttgaacgact ccgaaatctt actggaaggc tctaatacat atgcctaca 349

<210> 26152
<211> 356
<212> DNA
<213> Glycine max

<400> 26152

tagttcgatt tatagcgagc ccgagttaaa agaaaatttc atattgaata ctacttgagc 60
tctgaaccaa atcagtactt attgagacta gttgagctga acgcctatac cagagtgcac 120
tcattactag ccctattatt aatgagattg tgtatggtgt cctaacaatt aaccaaagca 180
ggcggaccct aatgatgttt ctatacaaac tatatactat atgctcgtgc ataaagtaag 240
cctagggtcat gcaccatcag aaagttaccg aactagata aaccatgaaa tattatcaag 300
tgcacggaac agaacttggt gcgggaaaca cttggatagc gtgaaactta gggaaa 356

<210> 26153
<211> 239
<212> DNA
<213> Glycine max

<400> 26153

taccactcc cttgatgaag aagatgaaca attgtagcaa ggacttggtg ccataactgt 60

agatttcatt ccaagtccat atacttttcc tttctttgat ctaactacat cgcaccacac 120
 atctaactca cttgggtgaag gttttccttc tgccaatgct cttttgggtca tatgtttcaa 180
 tgtgcgtgca aatgccttct aacatcacca atataagcct aataagtaag aataaaaca 239

<210> 26154
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 26154

ttagctttca tcttggacgt acccatcagg ctaccctga tgaagcctcc caggccgggg 60
 tcagacgaaa ccaaattattg caggtgtcat cgcagtattg gtcataacac ataatttgt 120
 tgggccctaa aggacaagat agaagaactt atacaagctg ggtacctagc ccaatttgtc 180
 aaaaagctag acaactacca agcaaaagca agacttggag gacaccaaga ggagtagcat 240
 aggaaccacg aagcagatag aagaagagcg gaatactgat gtagacaaag acaccagcaa 300
 caacggcata agcgacaacc cccaaaagaa taggaaccca ccctgtaaat cagagcacac 360
 tattatggag aacagtcta ccagtcccaa aaatg 395

<210> 26155
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26155

tatagaaact caagcttatt tgtccttgat ggtttcccat cactgcgtnc tcnccaacaa 60
 tttaaattaa aaaaaattag gataaaagtg ttagaagttc attttgaaat ttctaataag 120
 ttaattctta tgatacaaca tcagtttcca gtaacgacag ggcttctcta aataacacac 180
 tattcattta ttcatttata aatatattat aattcttgcc ctgaccttaa tgagcctcta 240
 ggaccaact cacctaaact gttatctacc aaaaaattt ataattctta aactttctta 300
 agagttctat aaataagtga tgtatgagat gcaaagtaag attagaaaaa agaatttaac 360
 atnatttctt ctcatcttct tgctcctnaa gtatcatatc tgtctttctt taccctttta 420
 tanagtctaa caaaaaaat gtat 444

<210> 26156
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 26156

tagctcgact tgcctgcaat gcttgcacct atcgagggtta ccactctcaa catcagacaa 60
 tacttgtcca tacttggggg ctccaagaac tcgcgccctt ettacttgtc aaggatacta 120
 ccccaaacat tagacaattt cccttgatac tgaataacct ctttcgcca taagccaact 180
 caaaacttgg ggggcttatg tactatccgg ggtccacaaa atacatgtgt caagctacgt 240
 ggcactctga tgcacacatc aacctctat gtcagccctg gcatatgtgt acatacatta 300
 agcccttagc agtcagggtt tcaaccaata ggatatcttt aaccacttat tatttgaata 360
 tattgttgta tctttatctc atggaaagtt act 393

<210> 26157
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 26157

tcacctttgg ccgctcttgt tggatctaaa catgcttata cacaatggac cctatagact 60
 gaagaaggaa caatcaacta gacctccttt ggatagaggt ccaatgatcc taccagcagt 120
 tggcctgact gtggctttgg ctctgcctac tatcgaggct catcatcaca gcgctagcat 180
 gtcttccctt tgctatgata ggccttcatg ggaggggtcg tgtccaataa tatatgatgt 240
 ttgcttcatg cgaaccatct ataaaaaatg aaaaaaaaaa gtcattataa taaacaatta 300
 tatttaacta agacaataaa ataaataaaa aacattaaa tttgtctaag agtaataaaa 360
 gaatatacaa cagaatgatg tcgttgtgtg tttcatcata atgcacaat 409

<210> 26158
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 26158

tttgcttctc aaggaggcga acttagttat tagaggggtg tgtgtagcta agctctagct 60

tctcaaggaa gttttctcaa gaaagcttct caaggaagct acctagtcta taaatagaag 120
catgtgtaac acttgttgta actttgatga atgagagttg tgagacacaa ctcaaagttc 180
aacttctctc cccctttttc atcttcaatt ttgtgaggca tgtcaagctc ccctagcttg 240
gacgactgtt gtttaggctt cttctggcaa gttgtcttgg gtggacatgc ttttgatctt 300
gcagcaaaat tagacgtgtc aggtggatga tgccttata tatgacgatt cagccctttt 360
ctgatcattg gaggatgcat tgaagacaaa tgttt 395

<210> 26159
<211> 378
<212> DNA
<213> Glycine max

<400> 26159

tgtagggtta aagtctcatt attatcacgt gtcacatgcaa caattgttat tctgtggctat 60
acgagacatt ttgccaaaca aagtcagggt agcgataact cacctgtgct ttttcttcca 120
tgctatatgt agcaaagtca ttgatccagt caagtttgat gagttggaaa atgaggccgc 180
aattatactg tgcgagttgg agatgtatct tcccccgct ttctttgaca tcatgattca 240
cttgattgtg catttgggtca gagaaattaa atgctgtggt cctgtttatc tacgggtggat 300
gtacccggtt gagcgataca tgaagatctt aaaagggtat acaaagaatc tatatcgctc 360
agaagcatct attgttga 378

<210> 26160
<211> 380
<212> DNA
<213> Glycine max

<400> 26160

agtcttgagt gagccaacat agagcgagtc aattttgtaa acacatactt gtaaccctac 60
tatcattttg tatagtggaa gaatctccat attggagaat tatgatcgtg tgctccatt 120
actaccttta attactaagc gtctatctta acttcacgaa gcgggaaagt ccgagttttc 180
ccaacagtgg tatcagagcc agatgggtcg acttgggtgac cggctcagac aagtaagatg 240
gcggtgatgg atctcagcct tggggatccc ttgtatcgaa agtcttcttg gcggtgagtc 300
caagcagcgt gtctcgaga tggagcgacg atgcaagtat cgtaggtagc tagagcatgt 360

aggctctaatt ggctataactc

380

<210> 26161
<211> 325
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26161

tgatttgtga gccgaattta gccttagctt cacttttggt attagtcaat tgatccaagg 60
aaacttccca agaaaaacgt ccgattgatt tttttgaata ttttattcaa agatattttg 120
attattntat tattatttgt caagatattt tgactatttt atcattattc tgcttttttt 180
tggcttaatc gagattacag cgtgaatgat cggtagatt ttgctttaac agcgattaaa 240
cgagattaca acgcaaata tccggttgaaa atcattctat catttattac gtgagaatga 300
cttaaataaa tgtctaaaac acgtc 325

<210> 26162
<211> 171
<212> DNA
<213> Glycine max

<400> 26162

taagcttcag tcagaagctt ccagcatatg cacaattatt aggactctat cacacttcag 60
acatcaactc tattgtccca acgagttgat catggaaaat tggctcgatg agtagcagac 120
cgaattgtta caagatccaa ccgataatcc acgctgggca tcgactgacc g 171

<210> 26163
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26163

atgacccttg annnctganc cctgaaatga aacgtagcat cagnaccta tgaaactcag 60
ctggttcatc ttgagcaaca cttactatgc actcgtttgc tcgaaacagc ccacctatat 120
ctctatacac gcgtactggg atgccatagc tatgagcgaa ttcaagagaa tgtgtcttga 180
tactcagatg atcgattgag tgccgaaata ggacgagact ctgcgaatca aataccgaag 240

ctctgagcta acttcaacga cgaggacctt taagtctgct gattgacatg aaacgcgagg 300
 tataatgaga cactcatgtg gcttgactaa gctactcatt atctttcata acaataccat 360
 aatccatcga gctctgcttc tatgccagag tatataacta caccatactg atacacgagc 420
 tctcggcaat ataaaccacc atcgtttttc tcagtgttgg ataggacgca acaag 475

<210> 26164
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 26164

agctttatct aaattgagag ttgtcaagca atcaatttta aaataaagac atttaatcct 60
 tataatttta aaaacattta actttatttt cttattttta aatagaaaca tttaatcgtt 120
 tagctttgta aaattcacia ttctaacctt tttatcaaat ttaaaaaaag ttgattaata 180
 agaaattaac ttttaagtga tcaaaattat attatttatt taatctacat catagttaat 240
 attaatatct taaatgttac cttttcagtt tcacataaag atcaaattca ccaattttac 300
 atgtgagact aaatgtcttt attttaaaat aaaaaaaaaa ttaaaatgat atatttcaaa 360
 agaaaactaa atatttttat 380

<210> 26165
 <211> 275
 <212> DNA
 <213> Glycine max

<400> 26165

tacacttgaa tagcaatagg ggtaaaaata gtaaagccag gtgggtttta aagtacttat 60
 tagatataaa accaatagct taagcttatt taagagtatg gtctctattg gctcagtttg 120
 cttacaactt ttttcttccc ttccaatat ttccattctc tcctggatct cccaatgtaa 180
 atttgttata agtcccctgg tggtttttga ataaattttg gtactcattg gaaattttta 240
 gaggtgceca ttgataatgc actggagtag aacat 275

<210> 26166
 <211> 375
 <212> DNA
 <213> Glycine max

10935-406-40459

<400> 26166

agtcttcggt tatatatata tatacgcccc cctaaacatc gaacttgcac tcgaatccaa 60
ccctccgaat cattacagcg tagagtttgt ctgaaaaccc tcagaatcat aaccatgctc 120
attatcttct tcaactcttct agagtccttc tcagggtttc tccttctggt tttggacaca 180
caaccagaac aacaacgtag tcataattat aaccatgcac ctttatcgca cccaatcatt 240
ggatgcctcg aatcttttcta ccataaccgc caccgtctac tggataggta caccgaacac 300
ttagccaatt ccccgacaca gaccatcgtc gtgcgcgcgtc tcggagcacg acgcactgag 360
gtgacggcga accct 375

<210> 26167

<211> 352

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26167

gaagagaaaa tgttcagnta taaattcatt atttggtaaa cttcattcca aatacttgcc 60
agactagaag aatggaaaaa aaaaccata gatattaaaa tccgtgtcta aaagtaccat 120
attaataaaa tagtattaat atttgagacg cttaatttag attatccata aaaaagaaaa 180
gcgaaaaata ttcatgaaat gccgaaatca aaactcaatt attacctgag tttctttcca 240
caaaagcttg acattgctgt tttctaactc aatggaaact aaacttcctt gataaaagtc 300
tgtcggtagt cattttaaag gaaatccatg ccagcatagc catctcaa at ct 352

<210> 26168

<211> 385

<212> DNA

<213> Glycine max

<400> 26168

tcgctggggt ctacaggcga ttcataaaag atttatgaaa agtcgccaaa ccaactcagca 60
atctattgaa caaggacggt gtgtttgtgt ttaatgaaaa atgcgtggaa gcatttaatg 120
atctaaaaac cagactagta tctgctccgg tgatcacagc accaaaatgg gggcaagaat 180
ttgaattgat gtgtgatgca agtgactatg ccgtaggtgc tgtacttga cagacaaaaa 240
gcaaaatctt tcatgttata tattatgcca gcaaagtttt gaatgatgca cagggttaact 300

atgccgccac tgaaaaagaa atgtttgcaa ttgtctatgc acttgaaaag ttcagatctt 360
acttgggtggg atcataagtc acctg 385

<210> 26169
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26169

taaagtgcta gactgcgggtt tctataggcc caccttcttc aaagatgcgt ggagaatctg 60
tagcacttgt gaggcttgct agagaacagg cgtctcactt tcatgcagac aacaaatgcc 120
tcaacaaccc atgtttgttct gtgaggtgtt tgatgtccgg ggtatagact ttatggggcc 180
cttcctgtc tcttttggtt ttgcttatat tctccatgat gttgattatg tttcaaaatg 240
ggtggaagcc aaagccacca gaactaacga tgctaagggtt gttgtggatt ntgtagatc 300
taatatgttt tgcaggtttg gagtccctag agccatcgtc agtgatcaag gcacccattt 360
ttgtaacaga tccatgtatg ccttgtctcan aaagtatgga gtcgtgcaca aaatttcaac 420
acctttccac ttccaaacta atgggcaggc tn 452

<210> 26170
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26170

agtttnatta tatcgagatg ctcgaaatta aacatcgga gctctcgaga aattcaattg 60
gtcataattt atcacacgga tgtccgattc ggggtgcataa tatgtcgaga cgctcgaaat 120
tgaacaacgg aggctctcga gaaattcaaa tggctataac ctttcacaca gatgttcgat 180
tcaggagcat cacatataga gacgtacgaa caacggatgc actcgagaaa ttcaaattgt 240
cataactttt cacaccgagt tccgattcat gcttataata tattgatacg ttttgaaata 300
aacatcgga gtcacgaga aattcaaattg gtcataactc ttcacacgga tgtccgatta 360
tgagaaatca catat 375

<210> 26171
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26171

gcttcatgag agagtcaaag atcaaatnga gagggaaaat tttagctatg ctaaataatc 60
 caacaaaggg agaaagaacg ttgtcttcga acccggaat tgggtttggg tgcacatgac 120
 aaaaganagg tttccggaac aaaggaaatc aaagcttcaa ccaaggggag atggaccatt 180
 tcaagtgctt gaaagaatca atgacaatgc ttacaaagtt gagctgcccg gtgagtataa 240
 tgtagttcc accttcaatg tctctgattt atctctntt gatgcagatg gagaatccga 300
 tttgaggaca aatccttctc aagagggaga gaatgatgag gacatgacca agagcaaggg 360
 caaggatcca cttgaaggac ttggaggacc tattgatgan gacatga 407

<210> 26172
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26172

agttttgctt ttctaattta gnagatccat gaaggtagcc taatgtctga agtttatggg 60
 attaagatgg tcattgacca atccctattt tatgacttaa caaaattgcc tagtgaaggt 120
 gtaccttttg aggggtgcact gattgatgaa tggaaatttg atttctctgt gcatgatgcc 180
 cgccggttg tttgcaccaa ccaagcggat atgaccggaa gacttctttc cgtttcattg 240
 gcttttgaga gccgcatctt ccattacctt attgctcgca tcttactccc tagatcttca 300
 aaccttgctt aagtttctga agaagatctc attgtcatgt gggcctttca taaaggttta 360
 caaattgatt gtgcacacct tgtagatat cgcattg 396

<210> 26173
 <211> 324
 <212> DNA
 <213> Glycine max

<400> 26173

ttttttgcat caatccttta tatataaaaa ataccggtat tagtgtgggg tagtattttg 60

atgagagaat agtcgtgtaa agcaaacaaa aattctgctc gatttaacag aacaagccaa 120
 agtggcagcg tggaggtttc gttggagcgc gstatggcca cgcgcaagta accagaaaca 180
 taaaataaag agaagaaccc gctccaactg ttttaagtcg ctcaacttgg tgctgcaatt 240
 tgtatgttct gaaagagccc aatggctacc gcgaagatag gactcggagt tggccccgctc 300
 ccaacaacca ctccaccgagt cacc 324

<210> 26174
 <211> 351
 <212> DNA
 <213> Glycine max

<400> 26174

tagctcatca agaatggaga aagaatgtgt tgagattgat ataaagtatg aaggcctcat 60
 cttgcgtcaa caaagccaac ttcaacaggt atttgttaca ctttgtcaat gagaaaaagt 120
 gaatctgttt ttgctgtgtc atacatgaca accctaaatc attataattt ttacacattt 180
 tagcatttca gttttcagct gtgtatttaa cgtgaaatct cattgctgcg atggattttac 240
 ctatagctgg ttgcaaaaca acatagacca cttcctgaag acttggatta ctatgcaatg 300
 acaacattgt ctgttgaagc tcgcgaaaaa ctttccaagg tttgtgacgt a 351

<210> 26175
 <211> 346
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26175

caaaaagaat tctttaccca tcattaccat aaccataacc ataaccatca ccatcatcgc 60
 caacttcctc acgccttgta ttccatgct tggtaattcc cacacttgga tactatcttt 120
 ctttcttttt cttgggtttg cttaaagtttc tttggctgcc taactttacc ttcttttttt 180
 tttcaagaaa gaaagattga caccgctctg taattacaca cttgaagaga aatctttacca 240
 tgcttaaaaa aagttttggc tatgctatgt gattntgccg attgggagga tatataaacg 300
 attggagtac tatgggatgt taactcttaa atttctctaa ttttct 346

<210> 26176

<211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26176

tgtttttata gagttctaca ctactctaga gttctccagg atgttctaga aaattctaca 60
 cttttctaga aagctctaga attttctaga acctctccaa tttgttattt aatttgatat 120
 ttattttattt atttgagatg tttctttgct atcttaagta ttgttttcaa ttgaacttat 180
 ttaacaaata cataatttta attcaattac gtctatatga tactttttta tattttattt 240
 accataataa ttntaatcta ttaacaatta tattttaata attatttttc agttgagtat 300
 tcaatcaact cagcttcaag tacaagatt tatatcaacc taaacaatcc tgattttgca 360
 aagttcaaga taggataaaa tgaactt 387

<210> 26177
 <211> 277
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26177

taatgctttc ttgaaaagct agaggggagc tactcacacc ctttcaatat gaaaatacaa 60
 aaaaagtccc tactacaaaa actactcaaa atgccttgaa atacaaagct aaaaccctac 120
 tactaaagta ctcttaactt gtacccttaa tttgtaaggt accctataaa cctaaaattg 180
 ccaaaatata aggcccaaaa gaaggaaaac ctattctaatt attcacaag aanagtggac 240
 ccaaccttcg tccatgggct cagaaatcta cccttat 277

<210> 26178
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26178

ttgctccata tatcaaatca caaccctaac tattgctgcc atttatggga ggagataaac 60
 acatcactac ttccatcata ttttaaaaca gaggggaaca gtagcagtaa agcaagacaa 120
 gaggggtggat gaaaagcttc ctactctcct agcaattatc catcgcatcc attaagaatg 180

agtccttgcta ccgacagtca ctttagaaat caacaaaata tatacttgaa actacaaact 240
acattataag attttaacga gcttaatact gcattttata tggaaccaa ttgtaagaga 300
ttnttgatt atataagtat cttaaattta aacaaaattc taatataaat taaaagagaa 360
tatttaaaat aataattaag agatatatgc at 392

<210> 26179
<211> 333
<212> DNA
<213> Glycine max

<400> 26179
tcgctgggtc ctgaatgtag gcacgggctg atgtcgaacc aagatactac tcgcggtgc 60
ttgacttctt atttcttact ctactaattc gcggtgagca ctttaattat cgcttttact 120
gttgtagca ttctgaagga tcgattttta cataagtaaa gagtcattaa taattaattc 180
aacccccca ctttcttaat tattccgagg tcaattgatc caacatgttt gtccctgatg 240
tacgtaggtg atcaagaaaa gcaatgatgt gacttcgctg gttaaagacc tgaggagtgt 300
gaatctcagg catgaatcga tatgtatgct ctg 333

<210> 26180
<211> 292
<212> DNA
<213> Glycine max

<400> 26180
tagcttcttc tttattttgc tataaatagg ggagaagtga agaagaaaag ggttcagccc 60
cttaggcact tctctctctc tcgaaatagc tgaggaaaat tagttccgtg aagaaaatcc 120
aagccgaagc gcttccgtaa tgggtccgta acgattccgc gagtaactac gcgaagattc 180
tagaccgggc ttcaagatgc atcgatcgtt cttcattttg tttcaccttc aacaggtaag 240
tacctcgtac cgagcgtttc aattcattct atgtaccgtg ggtgggccac at 292

<210> 26181
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 26181

tttgtggcta actccgacta ctgaaattga ccctttccaa caactgggtt agaggcgcca 60
caatcttagc ataccctnta ataaatcgtc tataaaagcc taccaaccg aggaagcttc 120
tcaatgcttt tactgattga ggtagaggcc actcctgaat agcgtataac ttttctggca 180
ctggttcaac tccgttgccg gagacgacat gccccaggta ctccagttgg gactgggcaa 240
aagtgcattt ggtacgtttc aaagagaact tccctganag caagagtttg aacgcgctnt 300
cgaggtgacc canatgatcc gccatttggt tgctatatac cagcacatca ccgaagatga 360
cgatgatgaa cctgcgcaga aagggttgaa agagctgatt catagttgct ttgaaggtag 420
atgggtcggt acac 434

<210> 26182

<211> 361

<212> DNA

<213> Glycine max

<400> 26182

agcttttggga gtttggggaa gaatgcctta ctaaaatata caatgaggtg ggaattttgc 60
atcaaaatag ctcccatggt tgtgccagaa gcatacagatt ccaagacaaa tgggatggtg 120
aaatctgata tcgctaagac aaatgggaat tttgcatcaa aatagctccc atggttgtgc 180
ctccgccatt agtgacttga gtttgtcaaa ggtgacctga gaggtaggat tccaaaggaa 240
ctgatcctct cgcaagagca ctatcaatgg tgcggctacg gtggcgtaac ctccaacaaa 300
cttctggtaa aaacctgtaa ggccccaaaa tccttgcaac tatgatggag atgatgggga 360
t 361

<210> 26183

<211> 429

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26183

taacagatgt gttacatcgc tntgcaggca catgttacat ttcacaaaa gaccacccat 60
agaatgagtt ataataatta tcttcttccc tctgcagca ttataaattg attctaactt 120
tgcagctaac cgatccattg tttccttcaa cctaaatgaa ataaacagag caattgtaaa 180

aaaaaatatc tttcatttgg ttaaatactt tttagagaac ttatccttag gattgtggga 240
aatcatacca ccaagcaata gccaaaagat aacttgga gacatcaatc agattaaatt 300.
catttgcaca attacatcaa tcagctgata gcttctcag aaaacttattc atttcataat 360
aataacaaca aactatgaaa atactctgca taatntttac aaaatcaatt cattattaaa 420
aaaaatata 429

<210> 26184
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26184

tctagctttg cacatattta ttatttgctt ttagcaaaac ctgtatcaaa caataactcg 60
tgthtttttta agagtgggta atctttctaa aaacacaatt caacatccct tcttgtgtta 120
tctacctcca caatcatgaa gactattaaa gctatcaaga aagatgaaac ctcgagtctc 180
tgtgagagaa tcttccattg ttgcttcaac acatctcaag tgagagtgc ctactcttgc 240
aatagatctt gaactgtaat atttcataga tagaagtgc atttgcacac ttacttagtg 300
gaataccctt attangagaa tcttcttcta tgatgttaaa cacaaaacct ttgttgtaag 360
ttagcaagtgc gatg 374

<210> 26185
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26185

tncctctaaa tntaaaatat gcaacaaaca ttgctattaa ggtacaaatg gattattcat 60
ggctatcgca tcaaagattt ggccacttca acacacatgc cttgaagttg ttacatgaga 120
agaacatgat gagagatctt caaagcataa aggagaacat tgaagtgtgt gaaggatgtc 180
tccttagtaa gcaacaccga tttcttttct caacaagcgg agcatggaga gcgaaagatc 240
tattggagct gatacatagc gacgtttgtg gaccaatgag gacgccatca catgagaaca 300
acagatactt catactcttt atcgatgact tctcttgaat gacatgggta tattttctaa 360

aagaaaaata agaagtcttt ggagtattca aaatttcagg gccttgctga aatcaa 416

<210> 26186
<211> 322
<212> DNA
<213> Glycine max

<400> 26186

agtttgccca gagaaggaat ccacggagga aatgcttacc acctcgaaaa actggaaagc 60
ggtttctaata gactcctctg cggcctccac ataaggcata gaggatggcc agctcaccaa 120
gatgtcttcc tcgcctgata cgatgaccag atgcccttcc actacgaatt tcaacttttg 180
gtggagtgtg gaggggaacaa ctcccactga gtggatccac ggacgccccca acagacagct 240
gtagggggggg ttaatatcca ttatttgga ggaacttggc atgtgtgagg gcctatctgt 300
actggaaggt cgatctctcc ct 322

<210> 26187
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26187

tcattggtgaa tcanaggtga ttcaaagggtg ttntgttgat aacaatgatg ataacaaaag 60
atgatgacaa aggtgatgac aaaaagttca aagatcaatc aaagaacaac ttaagtgaat 120
caaagatcaa tcaaagaaca actcaagtaa atcaagaaga attcaagact caagaagaaa 180
gttttagagtc aagaatcaag attcaagggtt caagatctca agaatacaaga ttcaagggtc 240
aagatctcaa gaatcaagat caagattcaa gactcaagat tcaagaatca agagaaggct 300
caatccaag ataagtatga aaagtttttc tcaaaaattg aatagcacat gatttttctc 360
aaaacatggt taccaaagag ttttaaattc atggtaatcg atta 404

<210> 26188
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26188

agcttttctaa aaagttatat aatattatta tctgaactca catccataag aaaccagcaa 60
 taaacaacca cataagaaac tgatctttta aattaaacaa tgacaccata ttcattttctt 120
 aagattgatt gcattgaaat ggcttcagtc taagcggttt agtaagtact cgacttcaac 180
 attttttgtg aggggtatta accattttctg gtacaagaga gaaactactg atggatcaac 240
 cttgtatgtt attcccttga catcacgac aaggctcact tcttgcccaa acaccatggc 300
 cttctttnta accctcttca ccaccatctc ttcaacgctc tcatatgtta acaatttcat 360
 caatgctcct ttgtcctgca aaaaccaaac attaatt 397

<210> 26189
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 26189
 tagaatactt gttacttttg agaagttagt ggaacttggg ggtttgtcca gaactgaatg 60
 taatcttaat ggtagaaacc aaccaatata attccatgta tgggatatat ggtcatttct 120
 tttctttctt aaactgacct aagggttgaa tttgattttg gttttgaaaa atcttttctt 180
 ttacaaaatc taatttcatg tctgaaagtg gtttagttaa aatttggtat ttggcttaca 240
 aagttcttct tcaaacaatt actttgttct ttcacaaaaa gactttaaaa ttatctaaac 300
 tcacaattca acttcccttc ttataatatt tttcctttgc aatccatgta 350

<210> 26190
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26190

atccggtttt tgacagtttg aatatcagat tcagggagaa ctgcagattg gccaaagagta 60
 gaagtcattc atcaagtaga agcaaggaga tatcttttaa taggattttc tctaagcttc 120
 cagtcattga ttttgatatt gacaaagaaa gagcattgaa cgtgattgac agactggatg 180
 tggtcagata atttgaaagt ttgcccgatc gcctttgaaa tgaatggaaa ggagaaataa 240
 tacatgtaga catggtagtg ggtttccttt ctgtgcatat gcaacgttct tgctgcaagc 300

gttgaatgcc atanttttgc cgcacctttg gtactttgga ttctcattgg cttcatt 357

<210> 26191
<211> 418
<212> DNA
<213> Glycine max

<400> 26191

tttcttcacg acctcctctg ggttttggtta accccttgt ttgataacc atctcttcga 60
gttggtcaga tgacgtgatt tttttaatat caaaaagctt tatttataat tctaaccatcc 120
taatctccta aatctaaatg ataagatcaa ttcttaattt ttatctaaac caattcataa 180
taattttaaa tctaaataat atccttaata ttgaaacaa ataacaaatt gttaaaaata 240
aaccacatta tttttttttc tataactaaag atatcaaaca tatctcaaca tcaacccac 300
gtctaggcag cataggcaaa ggtttcaaga attattcagc ggacattctt aatatgctta 360
atcttttata tatgaaagaa attcttcatt acaaaagcca tcagacatca tcaactac 418

<210> 26192
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26192

agtttttctc ctatttagtt ngagtttctt ttagtatctc tcgtggtggg tactgtgata 60
gggtggtttt ccacttcctt tgaaaaaccc ttgaaaatga gatatcgtaa aagttatatt 120
tttataaaat tgatgttatt ttctgtgacct tcaactgaacc ccggtcacat tggcatgagc 180
agaatttcaa aatgatgtct ctttttagta gaatctgaaa caccocatag tactttatga 240
tgtaagggtcc attggagctt gtaggcctag gatcttcttc atcaatggat tcctttgctt 300
attgaaagat gaatggcagc ggaatggaga aagaagagag agaggagatg ccacttcaag 360
gagaagatga gtctagatga agctcaccac cata 394

<210> 26193
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 26193

atggcctcag caaattcctt atttctataa agaaattcta tctacagacc tccattcttt 60
aatggagagg gttaccacta ctggaaaacc cgaatgcaaa tttttatcga ggcaatagat 120
ctaaatatct gggaagccat aaaaataagg ccttatatac ccaccacagt agaaagagtt 180
tcaatagatg gtagttcatc aagtgaagc ataaccatag aaaaacctag agatagatgg 240
tctgaagagg atagaanacg agtacaatac aacctanaag ccaaaaacat aataacatct 300
gccctaggaa tggatgaata tttcagagtt tcaaattgta agagtgtctaa ggaaatgtgg 360
gacactcttc gattaacaca tgaaggaact acagatgtta aaagatctag gataaatgca 420
ctaactcatg agtat 435

<210> 26194

<211> 396

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26194

agtttagttc attacatacc atccatcatt gattcaatta attcaaaaat aatttgtttc 60
acggggttgc aaatgaagac ccatatgtgc acctagccac atatattgaa atattcaaca 120
caattcgatt ggctggtgtg cctgaagatg caattcgatc gagcttgttt tcattctcat 180
tgtctggaga ggctaagagg tggcttcact cgttcaaagg caacagtctt aagacctang 240
atgaagttgt tgagaaattt ttgaagaaat atttcctga gtgagacctt agaaagattc 300
catggtctat tgagaaagac actcactcat ggattctcag aaccgattca ggtcaacatt 360
nttatagatg ggtaaggcc gcagtccaag cagctg 396

<210> 26195

<211> 423

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26195

gtaggattat ggggtaccca tcacatgtgg tactttgtgg cggtcgggcg atgggtgcaca 60
acaagttttc cacattcaca aatcgcgcat aaaccaccca tccccttggtg cccacctcca 120

actgagctca cgtactccca cgtagcccat ctctcgttt ctctcaacac cgggtcccca 180
tcaatcctcc caagcttccc caacatccaa gtaattcaac attcaaaca cacaactat 240
cacagccaag aaaatagggc aaaggcagaa aactatgcc aaaacaccaa ccaaatcac 300
agctnttctc acttaaagac cccagtacat ttccttcgtt ccaattcgtt aaccggtgga 360
tcgactcann aattttactg gaagtctcta gtacataagc ctacattntt gaccgtggga 420
tct 423

<210> 26196
<211> 688
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 26196

cgacgagnnn naacggattg cccatcgaat ngcccctcng agcngactca tagaggctga 60
ggtanccacg ctgcgagtac ctctgagaga tcccatctca gacgtcgac tctcgcagtg 120
ttcatgtcac agacttgtagc tntatcnca nagaacntnc nnatctntgc gtagggtaga 180
aagtccatcc cctatcttcc ccatttgggc ntntgatntc ncnatangt agagactgng 240
gengcccaat cncntcntnc acncntnnct ntacntcnnc tntgtggtnc ntntcncng 300
cntntgcnan tacntncacc attgnaantg gggaganana ntncnaccnc antgntagan 360
angaggaaac cnnctcactn ttgantaggc cctcatagna gaagtcncca cgctccttct 420
ccattatgaa gagtccccac acccatagca naagcctctc tcatttcaat gccgtngtat 480
cacgaagcca caacgaagcc ttctagagta ggttgctcc ttaaactc cattatattt 540
gtttgttaga ccaacgtggc ctgagatctc ttacagaagg gggngggtga attaaagata 600
ttccaaacta cttccccaat taaaaatcta ttctactttt tattcaagtt ataaattccc 660
ttaataatga acttcttaaa tattgatg 688

<210> 26197
<211> 420
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 26197

tctatcaagt ggtaatcaga gcacaagagc ttcattttgt gcttcttaaa cctccattaa 60
 tttcttgctc taccttctct tccattgttg cttcttcatt tttctccatg tatctectca 120
 catgtcttgt gctaaatggt gtaaatatga ttcttttagag tttccaccga ttaaacttgc 180
 taaagaagct aaatttgatt ttctatggtt caaatctctt gttcttggtc ttgaaccatg 240
 aattgtgttg agtttaggtt cctttgagtt ttgtgttggt attttttgtg gctgaaaccg 300
 aaaccataaa tatcttacia aaatattaaa gtagaagaaa acctcanaaa tctagagtga 360
 cttgttcacc tattgtagtt ctgtcataga agtcatgtct agtcatgaca cttgtctcat 420

<210> 26198
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 26198

tatgtttgac caggaattat ttggatgggt tggatgttga gttcaagttg ttcttggtgt 60
 ggagatgatg ggacagatgg tgaaccagaa gctgcagttt cttttgatga ggtagccatg 120
 gaaaagcaca tcgtttggaa tgatttcgta aatctcagaa aactattggg aaatgctgat 180
 gaaaacacga atgtcaagca gatatatatt tgaatgagga atgtagaggg ccgtgtgaag 240
 caacggtcga attttccttg gttcagtagt gaacgtgcta ttaatgctaa gtgattcggt 300
 tgggcacggt catattgctc gaattgctat aattcctcta tcacacaaat gccc 354

<210> 26199
 <211> 201
 <212> DNA
 <213> Glycine max

<400> 26199

ttgtttctat ccaaattggac ttaccttgaa ttaattcctt tgatagcccc tttagacctta 60
 tgttccccctt tctttgtttt gaagctcatt acaagcctta agtgaaaaac catgatacca 120
 ccttaccctt aaggatattt ggagcttttg aattgttttg ggaataagtg tgggggggggg 180
 tatgtatcat tggaagatat g 201

<210> 26200
 <211> 326
 <212> DNA

<213> Glycine max

<400> 26200

gtttaaagag agatgttgag gacgaaattg aaggaataaa agagggagag aagtggaact 60
ttgaagtatg tctcacaaga gtctcattca tcaaagttac aacaagtgtt acacatgctt 120
ctattttatag actacgtagc ttccttgaga agctttcttg agaaaacttc cttgagaagc 180
tttcttgaga aaacttcctt gagaagcttc tttgagaaaa cttccttgag aatctagagc 240
ttagctacac acacccatct aaaaactaag ctcaacttct tgagaagctt ccttgagaag 300
ctagagctta gctacacaca cccatc 326

<210> 26201

<211> 329

<212> DNA

<213> Glycine max

<400> 26201

ttagtttcta tccaaatgga cttaccttga attaatcct ttgatagccc ttttgagcct 60
atgttcccct ttgtttgctt tgaagctcat cacaagcctt atgtgaaaaa ccatgatctc 120
accttaacct taaggaattt tggagcttcg gaattgtttt gggaataagt gtggggcggg 180
gggttgtagg ataacatgtt ttgttggtta tgcttcatga tgtatttttg ggccataatg 240
atgtacatcg tatatgggtt aaatgttgga catgctgctg aaagatatgc tagatctcaa 300
atgctactgt gcaaaacaat aacaaaatc 329

<210> 26202

<211> 417

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26202

tgtagaatgg ctagacatta tacatgtcan ggcttgtttt ggttcaagga taaaagggat 60
gccccacatt atttccatga cacaaatgca aaaatgatga tttggaaatt ttatgcaaaa 120
ctggatcatgc atgcacctat gcggacgctc aagtgtcaaa tttttatggt catgtgatgc 180
tagggctcaa gattcatttc ctctatttta aatcaacca atgtttccaa aatatgttct 240
tttatcaatt tgtgcattcc tccaagtcca tttcgggcgt ccggggaaat tttcacagca 300

ttcacccttc aggggtagac acgtttcttt tcttctaaaa tcggttatga tccaatgaat 360
 tttttttntt ttaaagaaaa gttgcaaate atctctcttc aaagcatatc gggttttt 417

<210> 26203
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 26203

tttgctagct tgcagtaaaa aaattattta taatcttgat catttaaata taattgtata 60
 ttttatataa tttttatttc tcacaatatt taagtagttt gatgagagtt gcggctagac 120
 atggcaacga gatggagcgg agatagatat tgtctctcta gtctttgaac ccaactcccc 180
 aacatatact cgtaccggtt tctgataccc gacggattaa aatttgttat cccatcccggt 240
 aactgttggtg tatcgagtat cctgtcttgt tccgtttcaa tttagatttg taaaaaaaaa 300
 tttgtaaaaa attatattaa aaatcagatt aaaaaaattg attgttacac atttattttt 360

<210> 26204
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26204

tgattagctg ccgtagcagc aacaatatat tctgcttcac atgttgacaa agcatctaca 60
 ctttgcttct ttgagcacca agagattggt gttgttcaaa atttgaaaac ataccagta 120
 gtgcttttcc tatcatcctt atcaccacac caatctgaat cactataacc aataacttct 180
 ccttctatat tcttctgact gtaaggatat aaaatgccaa gatccaatgt tcctttcaca 240
 taccttagaa tcctctttgc tgctaggaag tgaggtgtct ttggtttctc cataaacctg 300
 cttatcaacc caacacaata agcaatgtca agcctgggtg tacatatgta cctcagtgag 360
 cctacaactt gcttgtacaa ggtangatca acttctttct catccnctc ta 412

<210> 26205
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 26205

ttagtttcta gagaaagcta catgaagctg cctcggtaaa aacgcttccc agccttcatt 60
aaccgttgga tcttctcgaa atttggtctg caacttcaaa aaacaatttt ccatgatctg 120
accgttggga tctttgagaa gttgtctgga gtgtgctaga agcctcttaa tgaagcttct 180
ggaggaagcc tcttaatgaa gcttctagag aaaactacat gaagctgcct cggtagaaac 240
gctgccagc cttcgtaaac cgttggatct tctcgaaatt tggtttgcaa cttcacaaga 300
cactttacca tgatttaacc gttgggatat ttgagaaaat atctggagtg tgctagaagc 360
ttccgttccc gagagcatat cttattta 388

<210> 26206

<211> 306

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26206

tgctctanat ntacattgat gtttgtattt atgggttttag gttgnatgtc atttttgttt 60
taagaatagt atcccactgg taaaactaac tttccaaatg tttgccttcg caggaaatgg 120
ccccgagaaa gcttgccctca aagagggtcca ggaaggacaa ggcagcagaa ggaactagtt 180
ccgcttcgga gtatgatagt caccgcttta tgagcgcggt acaccagcag cgcttcgaag 240
ccatcaaggg gtggtcgttt ctccgggagc gacgcgtcca gctcaaggac gacgagtata 300
ctgatt 306

<210> 26207

<211> 380

<212> DNA

<213> Glycine max

<400> 26207

agtttctatt ctcaatttcg agtgtctcga tatattacgg gactcaatcg gacatccgag 60
taaaaactta ttgtcgtttg aatttgctta gagcatatat tctcaatttc gagtgtctcg 120
atgtattacg tgactcaatc gaacatccga gtaaaatggt attgcagttt gcatttgcaa 180
caagcttctg atttcaattt ggatcgtctc gatctatgat gggactcaat cggacatccg 240
agttaaaagt tattgcgggtt tgcatttgct acgagcttcc gctttcaact acgagcgtct 300

tgatatatta ctggactcaa tcgaacatca gaataaaaag ttattgttgt tagaattttt 360
ttcagagcct ctgttttcca 380

<210> 26208
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26208

tcaaccaaag ggagatggac catttcaagt gcttgtaga atcaataaca atgcttaca 60
agttgagctg cccggtgagt ataatgtag ttccaccttc aatgtctctg atttatctct 120
ttttgatgca gatggagaat tcgatttgag gacaaatcct tctcaagagg gagagaatga 180
tgaggacatg ttcaagagca agggcaagga tccacttgaa ggacttggag gacctatgac 240
aagggctaga gcaaggaaag ccaaggaagc tctccaacaa gtgctgtcca tactatttga 300
atacaagccc aagtttcaag gagaanagtc caaggttgtg agttgtatca tggcccanat 360
ggaggaggac taaatgacac cactttgtct 390

<210> 26209
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26209

agcttgcttc tacaaaataa tgagatagtg agctaaatta ctcacaataa caggatcctt 60
atcactagtt atctctattg gtgctccaag cagtctatag atttaataga gacaaacttc 120
aacatgtttc ctaactaaac tacaaatgaa aaagagacca agcttacctc gaacccaaac 180
agtgacaatg gcagtgagat ctaacaaaat ggcacgaaac ttgaagcttt cctcgtagct 240
caatcagcaa tactgcaact aaagacgtat tattattata atcatcaata aaacatgaac 300
accacggaa aattagcata cacgaagttg acctacgtac ctcacggaga aagctntgag 360
ctntgagcac ccacaagtgt ttcagcaccc t 391

<210> 26210
<211> 441

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26210

ccagccgccc ccaccaaaga taaacaaaac aggcccggca acgacaacaa acancaagcg 60
 gaattgagct gaactcaaca caggcaancc accgccccgg gaccctaacc gccgcagcat 120
 cacctgcaca gagcacaacg aggacaaaaa ggggacacga agagggggcc ccaaccaag 180
 aaaaaaggga agagaagaac cagacggagc ccaaagacga cagaccaag gaccacacc 240
 gggccaagcc aaaaacaaga caagcacggc gcgacaagcc cccaagaaaa cagccagaaa 300
 agcaccgccga aagacaacgg aaagcaaagc caccaccacc cccccaaac aagccacccc 360
 agaaaaaccc caaaaacacc gaagaaccaa cgaagcacca acccacaagg ggaagccacc 420
 cgaagagaac agagccactc c 441

<210> 26211
 <211> 165
 <212> DNA
 <213> Glycine max
 <400> 26211

aatgtggtca cctgataaaa ctatagctgg gtgagatggt aggcgctccc gataacatgg 60
 catactgacc gcaacgtagc ccattatgac aatggacaat actgagacac tcacctaaaa 120
 tgagtgagat gtcctgagtg cccactttat atgctagaaa tgtgt 165

<210> 26212
 <211> 426
 <212> DNA
 <213> Glycine max
 <400> 26212

gcttgatcac agtggaaatt tgttggttct aatagtaaatt ttatgcactt atttgtgtgt 60
 atatcccgga atattgcatg tgtacacagt ttgatgatat gttatgttac cgcacagttg 120
 ttaattgtct tttcctttct ctgggtacat atatgcagtc ttctatattt gcatagcaga 180
 atgccatacc ataaggactt acatttccaa tgtggcggtc atattaactt ttactaaggc 240
 aatatgtcta tacagcatgc atattcattt caaattaaca acatatgagc aactcgctta 300

tagagcataa tagtcacata tagaactcat accagatcct gaggccaaag tactggccta 360
 ggaataatgc tttacatcta tattttcaac aacaatatgc ctaacaaaac ataaaccaac 420
 aaatga 426

<210> 26213
 <211> 401
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26213

agctttatga tgttgatcc aagcaatgtt gatgatgcca aaagcccaaa tgattgattc 60
 aagattgatt caagacttca agatcaagca tcaagaatcc aatccaagat tcaagattga 120
 agagaagaaa tcaagacgca acaagtcaag acttcatata ggataagtat taaaagattt 180
 tttcaaaaac caaatagcat agttgtgttt aacagaagaa ttttctcana ttttctaaga 240
 taccagagtg attactctct ggtaatcgat taccagtgc tagtttggtt ttcaaaatat 300
 tttcaaatgg ttgcaacgt tcagaaatga ttttcacata gtgtaatcga ttacactata 360
 ttagtaatcg attaagtga tctgaacatt ggaattcata t 401

<210> 26214
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26214

ctcaagcttc attactatt aagttgtgaa tatgcttcaa gaagattttt acaaaaattt 60
 aaaatccccg atcaaagatt ggaggaaaga aaaaatcccc gatcaaagat taaaggaaag 120
 aaaaagaaga aattccccat caaagatccg aagaaagcaa acgaaaaaga aaattcttga 180
 tcaagattgg aagaaagtaa aagaaaaaac atacagaaag gtcattggac cagacaatgt 240
 ctgaataatg tacaaattgt cagcagcaag aaagacaaga aaagaaacca tgacttgaga 300
 cgcttgaagc aatccccctt ttggttacca accgaatctt tgtgcccacg tctctttcgc 360
 gccatgcccc aaagaaaaca taaaaggana aggtcaaac acttagagcc aaattcccca 420
 ccaaacatac cattccaaa 439

<210> 26215
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26215

agcttgtgta ggctccatct atccatggtg nctctcccta atctcatgca tttgtattca 60
 agtggctgta gaatgtagag agattgaaat ccttaatggt cattcaaaat ctttgtgacc 120
 caaaccatag tagaattctg agtctacact ggaagagagg gtctgggcac ttcattgtttc 180
 ttcttcatcc gttgctcttc tataacaatt ttttctcct cttttgttg atgggcaggc 240
 tttttggttt ggacctttcc cttctgctcc ctaaggatcc ttttaacctt catagcaagg 300
 ccaaaagtgt ccaaagcctt gtctttatta gcaatagcct tggccagtgt cttctgcctc 360
 ttttgccgaa tgtcactcta gttcactaga ggaataagta tg 402

<210> 26216
 <211> 446
 <212> DNA
 <213> Glycine max

<400> 26216

actcaagctt cctatgtgca ccagcaaatt aaaaaggcta tgtgggttgt ttgactgatt 60
 atttattagc aacaacttgt attctgaact taattatata tatgttttgg caacatacta 120
 tcttgtttca tactactaag tctctttctt aatttgacgc atttgaaaca taaatacttt 180
 gatgataaga gaacaaaagt tcaactgctta attgacctca tgtaaatttg atttaacaaa 240
 tccatatgat cagtccttcc aaatcatttg tccattagta ctcatcgat catttgagac 300
 taaatatggt gattgttgaa gagtgaatgt actacttact tctgaataaa tgatttttca 360
 aacttccttt ctgcataact cacaaaagtag aaacttggtt ttacaatcgg tgcagtaaac 420
 aataagtttg accatatttt catggg 446

<210> 26217
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 26217

ttatgcttgg agaggatgct tcaatggagg aaaagaaaga gggagagaaa gagagagggg 60
gagcacgaaa ttgaaggaag aaaaaaggag agaagttgaa ctttgagttg tgtctcacia 120
gactctcatt catcaaagtt acaacaagtg ttacacatgc ttctatttat agactaggta 180
gcttccttga gaagctttct tgagaaaact tccttgagaa gcttccttga gaaaacttcc 240
ttgagaagct agagcttagc tacacacacc cctctcataa ctaagctcac ctccttgaga 300
aacttcctta agaagattcc taaagaagct agagcttagc tacacatacc tctctaatag 360
ctaagctcac ctccttgaga tgagaaacta gagctta 397

<210> 26218
<211> 290
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26218

tctagccaaa tggacttacc ttgatttant tctttgattt cccttttgag ccttgtttcc 60
ctttccttgt ttagaagctc actacaagcc ttaagtgaag aaccatgata tttccatata 120
cttaaggaat nttggagctt tggaattggt ttgggaataa gtgtgggggg tttttgtttc 180
attggacaac ttgttttggt ggctatgctt catgatgtat tctggggccat acttgatgta 240
cattgtatat tgggttaaag ttggacatgc tgaatgaaat gttgtttctc 290

<210> 26219
<211> 398
<212> DNA
<213> Glycine max

<400> 26219

tctagcttgt ttctgtttag agtttaattt ttctagcaat ctattactcg tttggtttgc 60
tgcaacccaa cctatatatt gaaggattaa tgtgtatagt cgctgtcttt ggtttgagaa 120
aagatcatga tatctttggt gtgtgctttg gttcaatata aaaatacaat gcgtatagtt 180
gtgtgcttct ttgctatgct ttgaagtttg caatagaata ttaccctcat ctgtagaatg 240
actatgtgta gcttcttcaa cacttttcat gctatttcaa ttccttgac tgctaagaca 300
gagtcttcat atgcctcgga tttttatctc cttgccaat aaggagccta agatgctttg 360

gtttaatact ttagccttaa gcatgtgata tagaaact

398

<210> 26220
<211> 221
<212> DNA
<213> Glycine max

<400> 26220

ggcaagattg gacgacggga actgtggttc tccaaatatg ctctatgtgc agattttgct 60
gtagaaatgt gcatcataat tctgcacaag agcataaaaa tccatgtatg tgctgagtgt 120
ggaaagagta atgtacaatg agttctggat gtgtgctagt agatcccaac agtcgacatg 180
tacgcttatg cactatagac tttcaacaaa atgggtggagt c 221

<210> 26221
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26221

agcttctaca ttcaattttg agcgtctcgt aatattacgg gactcaatca gacatccgag 60
taaaaattta ttgtcgtttg gattgggtca gagattcaac attcaatttc gagcgtctcc 120
atatattacg ggactcattc agacatccga gtaaaaagtt attgtagttt gaattagctt 180
agagcttcaa caatcaattt cgagcgtctc gttatatcac gagactcaat cagacatccg 240
agtaaaaagt tattgttggt tgaattggct cagagcttcc acattcaatt ttgagcgtct 300
caatatatta cgggcctcaa tcagacatcc gagtaaaaag ttattgtcgt ttgaattggc 360
tcagagcttc ancattcaat ttogagcgtc tcga 394

<210> 26222
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26222

ntgagcaaat tcaggcgaca atatcttttt actcgcattt ctgattgttt cccgacatat 60
aacgagacgc tcgaaattga atgtcgaagc tctgagccaa ttcaggcgac aatatctttt 120

agtgaataag atcttaaag acacaagaat gatgagactc ttggntctac tctctatggt 420
taaatt 426

<210> 26225
<211> 301
<212> DNA
<213> Glycine max

<400> 26225

ggcttcttct aacacgtcc acactttgta ggggtgggcca ttctcggatg gacttgaatt 60
cctcataggc cacctgagcc ccatttttac cacactctaa accctgagaa aactatatta 120
tctactcaaa aggcacattt gtctatatta gcatagacgg tatttatgct aaggactgaa 180
agaacttgcc tgagatgtac taagtgatca tctaggctac tactatacac tcgaacatga 240
tgaaagtgaa aaactacata tctacctatg aaagacctta tgacatgacg catagccctc 300
a 301

<210> 26226
<211> 299
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26226

ttggaacttt gagcttggtt tgctactttt aaaagttgga tccaagccta gctctagacc 60
ctgtggcatg gatgctgccg gctacaacaa tatgctggct atgctttggg agaatgcat 120
gctgacccaa gccgagacct tgatcgaaga actctgctct aaatctttga gccccgatgt 180
gcccactcat aggaccttga ttgaagtcta cttgagaatg gacaggatcg atgatgctct 240
cangattttc cacagaatgg ttgattctag gctcaggggtg gttgctacct ttggtaca 299

<210> 26227
<211> 369
<212> DNA
<213> Glycine max

<400> 26227

tttagcttaa gctcctacaa ctgcacaagg ctcttaatgt ttgaagagta tccttgagga 60
accttcaccc gactaagaca ctgacaaaaa cttatcttct ccttttttga caaggatgg 120

caagctaggg gcaagtaa tttcttccca ttaaacttg gatgcaactg tgatcgatg 180
 cccatatcaa ctagatcttg acaggtattg aagccatgct tcatcttgcc ttgaatgtta 240
 aggagagtac caatcacact atcacaaaca tttgtctcca catgcataac atcaatacaa 300
 tgtctaacat cgagatcaga tcagttcgaa agatcaaaga taatggacct attcttccat 360
 atgcaactc 369

<210> 26228
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26228

tcatgatgaa tcaagattgt ttcaaggagt tttgatatta tcacagatga tgacatanag 60
 ctcaaaagtc aagatcactt tataactaaca aagatgatga cattcaagaa tgagtttaag 120
 aatgagtcaa taacacttca aagatcaaga gtaaatttga tttcaagaat caagattcaa 180
 gattcaagaa taatcacgat caagattcaa gaatcaagag aatacttaat caagataagt 240
 attaaaaatt ttttcaaaac attgagtagc acatgaagtt ttcacaaaat cattaccaga 300
 gagttttact ctcaggtaat cgattaccag attatagtaa tcgattacca gtggttttta 360
 aatgttaaga ttttcacaat tcaaaatgaa gagtcacatc tggatgatg 408

<210> 26229
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 26229

agcttgctaa cttatggaag ctcctaatat ctcccacact ttttaggggtg ggccattctt 60
 ggatggcctt gatcttctca gagtccactt gaacccatt tttaccaact ataaacccta 120
 agaaaactat attatctaca caaaaggtag atttctctat atttgcatag agggatattt 180
 tcctaaggac tgaaagaact tgccatgagat gtcctaagt atcatctagg ctcctactat 240
 aactaaaa atcattaaaa taaaaaacta caaatctacc tatgaaatcc cttaagacat 300
 gatgcataag ctcacaaaag gtgcttggtg cattagttag cccaaaaggc atcactagca 360

attcatacaa accaaacttg gtcttgaaag cagttatcca ttcate

406

<210> 26230
<211> 422
<212> DNA
<213> Glycine max

<400> 26230

gaatggaggc tctggtctct tgttgaaact gcatgttttg catagtcttt tgccttatca 60
agttcttcaa gggaagggtc cggaggagcc tcaactatct gttgtttctg gggctgttgc 120
tgcttctggt gttgttggtg tagctggatt ggtggaggaa catctggtct gcttgggcca 180
gcagcattat gaaaataagg ctattgttgt tgctgctgtt gtgaaggact caaccatcta 240
aggttgggat gattcctcca cccgggattg tacttgctgt tggagaggtc ataattgttc 300
tgctgtggtt gattctgctg ctgaggttga ggaggtctat tgtagatgtt tgcagcataa 360
gctttaggct gttcaattgc tccagattgc tgcacaaaag ggcaaaggtc tgtatggtgg 420
tc 422

<210> 26231
<211> 267
<212> DNA
<213> Glycine max

<400> 26231

acgtgcacat gcaacaattg atagtccggg ctatacgaga catcttgcca aacaaagtca 60
agttcgccat aactcacctg tgctttttct tccatgctat atgtaacaaa ggcattgatc 120
ctgtcaagct tgacgagttg gaaaaagacg ccgcgattat attgtgccag acggagatgt 180
atttcccccc cgctttctat gacatcatga ttcacttgat tgtgcatctg gtcagagaaa 240
tcaaattgat ctgcctgttc atctatt 267

<210> 26232
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26232

atctaatacat tccaatccac aaaattatca attgttatcc aaatcattct caaacactca 60

tttcatacaa aataatccac tgcatatcaa attcaaccag ttcactgttc aaacacgctt 120
 tttgtacaag caaacaactc aaagtgccaa aatttaaaga actgaaacat aaacattgaa 180
 atttaaata ga ctgaacataa atcataaaat aactgaaata aactaaaatg ttcaaaatgc 240
 acaaatttaa atgtcctgct cctgtgggtg ctcttgtgca tgcctattaa gatccaacac 300
 ctgagcaact ggtgaatcct gagagatagg ctgctctaac tcagatgctg gtgcagatgg 360
 tatgacatca tcangtatgg gtgctgcgga tggctctggg atctggt 407

<210> 26233
 <211> 278
 <212> DNA
 <213> Glycine max

<400> 26233

agctttttga aattgccatg tttggatgag tcagacatac ccattctatt ttaggggctc 60
 tgtaatgacg ttcgtgatgc ttatatgctg aaattgccta tggaaaactg ctagagatga 120
 atggtatagt taacctaggg ctacaaagtg agaatatggt gttgtgagtg gaacaaaagg 180
 tgatgctctt acagttggaa cgttcagtct gaattctgtg gtaaatggaa gttactatga 240
 gctaataccta cctggagatg ccatttaaga catgtgag 278

<210> 26234
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26234

ntctcccacg tgctatatga catttcacgc tagtattatt ttactttaac ctccatttac 60
 cacagagttc agacttaacc ttccgactgt catagcctca cttttttttt ccaactcataa 120
 catcacattc tcactttgta accctagaga aggactaccc ttcattctcta acaggattgc 180
 atcagcgatt tcagcatata aacgtcacia acatcatcac aaaaacccta agacagaatg 240
 ggtatgttga actcatccaa gcatggcgat tacaacaagc tatcaacacg tttgttcaca 300
 aataattacc atgaagcaga aaactaacag aactacctat catatctccc acaagcccat 360
 acccacgaaa atcaaaggag aaagaagtcc acccaaact gaaatttcga agtcccactc 420

<210> 26235
 <211> 384
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 26235

agctttttga atttgccatg tttggatgag ttagacatac ccattctatt ttagggtttt 60
 tgtaatgatg tttgtgatgt ttatatgctg aaattgccta tggaaaactg ttagagatga 120
 agggtagagt taacctaggg ttagaaagtg agaatatggt gttgtgagtg gaaaaaaagg 180
 tgaggccttg agagttggaa ggttaagtct gaattctgtg gtaaatggag gttaaaatga 240
 gttaatccta gcttgaaatg tcatttanga catgtgagaa aggttaggct gagctagaga 300
 gaaaaacaaa tgaccaaagt gaaccaagag ccatttctag ggcaaaattg ggtgttgaag 360
 agtcaaattn tgattcgggtg gaaa 384

<210> 26236
 <211> 427
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 26236

ntctcccacg tcctaaatga catttcaagc tagtattatt tcactttaat ctccatttac 60
 cacagaattc agacttaacc ttccaactct caaagcctca ctnttttttt ccaactcataa 120
 catcacattc tcactntcta accctagggt agttctaccc ttcattctcta acagttttcc 180
 atcagcaatt tcagcatata aacatcacia acatcatcac aaaaacccta aaacagaatg 240
 ggtatgttta actcatccaa acatggcaat ttcaacaagc tttcaacacg tttcttcaca 300
 aataattacc atgaagcaga aaactaacia aactacctat catatctccc aaaaccccat 360
 acccacgaaa atcaaaggag aaagaaagtc cacccaaacc tgaaattcga agtcccactc 420
 atagaca 427

<210> 26237
 <211> 408
 <212> DNA

<213> Glycine max

<400> 26237

agcttgccctt gctccttgat atatttgagg gactcatggt cactatgaat gacaaattcc 60
ttgggataaa ggtagtggtg ccatgttttc aaagcccga ctaaggcata caactcctta 120
tcataagttg aatagttaag ggtaggacca cttaactttt cactaaaata agcaattgga 180
tggccttctt gcatcaacac agccccaatc ccaacatttg aagcatcaca ctgaatttca 240
aaatattttt gaaagtttgg caacgcaagt atggggcatt agttagcttt tgcttaagaa 300
cattgaaagc ttcttcttgt ttctctcccc atttgaaacc agcatttttc ttgagcactt 360
cattgagagg tgctgccaat gtgctaaaat ccttcacaaa tcgtctat 408

<210> 26238

<211> 417

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26238

attcaaacga tgataactnn ttactcggat gtctgatnga gttccgcaat atactgagac 60
gctcgaaatt gaatgttgaa gctctgacca aattcaaacg atgataactt ttactcgga 120
tgtctgattg agtcccgtaa tatatcgaga cgctcgaaat tgaatgttga agctctcagc 180
aaattcaaac gataataaat ttttactcgg atgtctgatt aagtcccga atacatcgag 240
acgctcgaaa ttgaatgttg aagctctcag caaattcaaa cgacaataat ttttttagtc 300
agatgtctga ttgagaccog taatatatcg agacgatcga aattgaattc tgaagctctg 360
agctaattca aacgacaata acgttntgct cggatgtctg attgagtcct gtaatct 417

<210> 26239

<211> 400

<212> DNA

<213> Glycine max

<400> 26239

tctagcttct tgctcagatc cctcttggtg gactatgcc aattgacaca accctcttag 60
gtttagacta acttaaaactg agtttcgtcc gtagatccct cttgtaagac tagactcagc 120
tcaagcagct tacgaaagtt tagcctaatt tagcctaagc ttcacccgca gatccctctt 180

gtaagactag gcctagacta aacagcatta ttgtaacaac ataattaaaa ccaaaaactta 240
 atccacaaat ccctcttgta agactaagtt tcgatcctgc ttcaatcaag ttctaaggca 300
 atggtacatt tctcaatgct aaagtcacct aactatgcac acaaatggat gatctgacca 360
 aaagcattca aacattaagc atggaaggaa gcattgaaca 400

<210> 26240
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 26240

taaatatgag cagatgttat caaaccttat acagaatcat ttactatgaa aagtcattgc 60
 attgaagttg atgctgattc ctttctttgc tactaacaga taagctactt attgtaaatt 120
 atgttttctt taataccttt ctattaatgg tatttggtta caattacaga catgtacaca 180
 gtgaaattcc aaagatgaaa acttcctcat gttcattcat tggtattctc acacgccaaa 240
 aacgaatata catctgcgaa cgatattgat catattatat cagctgacat acctccacag 300
 gaagatgata caaaactcta taaattagtg taaaatcaca tggctcatgg tccatgt 357

<210> 26241
 <211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26241

tcttgctttt tcatttttnt anngacaaat gctaatacat aaactaatgt agtaactctt 60
 ggtcttggtt taaggcttat ttaacttttt aacaatttca agctaaatct ttaatgaaaa 120
 atattttaca gagaaattga gcgtatagac gagttacgag atacataaag aaatattata 180
 attaccttaa ggtaaaaata tttatatcat cggcatcttt tggttaccat gatggaatca 240
 attaataatta caagactata tatataaata ttgctatata cgtataagta aatgtgctta 300
 cttactacag taaactctac ttgaaacagt aatttgagag cattaattga tatcgagagc 360
 gtactta 367

<210> 26242

<211> 383
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 26242

tgtgacagga acatgttaag gaatactgta ctatnntttc aaacttcatt gatctttgat 60
 tattttctggt gggtatccca aattgactaa tgatatattc atatcatcaa atgatgtgag 120
 atctccaaca cacccttca ttatgaggac gggatgtctc aagcatgaag tttgcagaac 180
 tcaacatatg tagttgggtc gataacagcc tgagtggccc aatgagcggc ccagtgatcc 240
 caagaataac tactactact actaggatag gctatgttat ctagatttct gttattctaa 300
 tttcaatttg atctatgtaa acatagagta ttttgttctg tcttttgaat atttataaat 360
 caagtagaag atatgatgtg ata 383

<210> 26243
 <211> 478
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 26243

agaattatgc tgaacttcaa gcactnggag attggacctg cggaccctgt gaagctctac 60
 agccggcctg caagcttggt gcatttttca tgtgcggatg atacagacct acccgttctg 120
 ttagacggat ttggtatccc atgaagcact aggatgcata agcaagaagt cgtgtacgct 180
 atgaccacta aatgaggcg gttaaaatac tccctcgcca caaaatgaga atatgctgac 240
 tctaattggc aacatagaca tgatccttta gttggatagg gtctacatac acctacttgg 300
 gatggatgtg ccgaatacct catgctacct agcccctaac ttgcagacat gatagacatg 360
 tgatgcatag ctactgagaa taacacatga tcatgccgta ccaatatgca ttgctacggc 420
 aatatatgct gcatgacagg cgatcttgat tctgaggaag atatgcgaaa tacaatgt 478

<210> 26244
 <211> 107
 <212> DNA
 <213> Glycine max

 <400> 26244

taaccctatg tcattactac cctacacctc taaccgtatg gctcgtctga acatccttat 60
acacatcaga agagcagtcg ccaagcccta aaacagaatg cgtatga 107

<210> 26245
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26245

cttgtcactg tttcgcagcn ngaagcngac ccaatagagt cgaatgagct cgtgccgagc 60
tgagaccacg acatgtggcg agatgacgct agagacctcg attggatact aaagggatat 120
tgagaccata gggagtaaac ggagaacatg aggcggtgac gtgtacacac cttgacagat 180
tcaagattgg atacttaagc cagaatgacc ctctgaatgg cagttaaacg aggtgataca 240
aaactgcatt gtcgactaag actacttcgt aagggtccgc gcatccatgg aaaagaccct 300
atgacccttg aacacaaatc cctgtatgtc ggctagattg gtgtgtagca taaagagact 360
ctctgttgca cgtaatgcac accgataatc caatgt 396

<210> 26246
<211> 318
<212> DNA
<213> Glycine max

<400> 26246

aaaaatcaaa ctcatgcttg cccgctactg acgcactata gatatgcaca cataacggca 60
cattccactg gcaaccctaa gaacactacc ctccatctat agcagctttg catctcgatt 120
tagcagataa acatcacaga catcatgcaa aaaccctaga cagaatggga taacaactca 180
tccaaacaga ggaagtgcac aagctacaac acgcttcttc gcaaagaata accacgacgc 240
acacaacgac aatataccta gatatctgaa aaaccccata cccacgataa gacccgagaa 300
agaatccacc caaacctg 318

<210> 26247
<211> 397
<212> DNA
<213> Glycine max

<400> 26247

tcaagcttgt tgggtgtcct cactactaga agaattatga gtagtcagca attgaccttg 60
 ctaaaattcc agtctctcat ggctgctcta agcatattga aattaagttt catttcctaa 120
 gagattagat aaccaaagga aaaatcaagt tgggttctct taagacagaa aatcagttgg 180
 cagatatctt cacaaaagcc ttgaagatag acagatttaa ggagctgaga atcatgatga 240
 atattctaga gcttttaggtt attgtctgtt gttggaatat tgcattttga atcatggggg 300
 tgttagaaat aattcataaa tgtaattacg ggtaaatgaa attatggatt ggtaagtaca 360
 tataaataag tactcttata ttgtaagaat agagtgt 397

<210> 26248
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 26248
 agccttgtgt gcctttggaa gatatgttat gtgaaatatg tcctagctag tactatttta 60
 tcttagatcg atcgttgtcg atcattgtaa tgatgtttga ttaaattaat aatgtaagat 120
 caattaagta gcaaggatgt atgttgttta gtttggaaata ataatatggg atgaattact 180
 actgccaact cgtgataagt ggtaaccctg gccttttggga atcttttagt tgagtttatg 240
 cacggaaatc aagcgtgtcc gtgaaagggt aaagggtgaaa gggatcccac cttgtttcta 300
 tttgtatctt ggatgcaatt acgatgatgc caaataaaga atcacttata tatggatacc 360
 ccaatatact ttacatatct agtgttctac attttcttac ttccataaa 409

<210> 26249
 <211> 61
 <212> DNA
 <213> Glycine max

<400> 26249
 tactggactc cctgcaacgc ttacaaaggt ttttaacaat tgcaagcgat tactaccacg 60
 a 61

<210> 26250
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 26250

tttagcttat gcattctttg agggaacccc taagttgtcg catgatttca tgggcaattg 60
caaccctta aggttgttgc ttgttcgtcg ttgcctgatt cttttcttcg aggaaaatcg 120
ctaacccttat gggttatgga aatcccaaac ccgtaagctt ttgacctcat cgtcatcgcc 180
tagttggttt ttagaagcaa gagtgcgtc ctgtttgggt gtccgagggt gtggttgaaa 240
aacgtggttg tcgcctgaag cacgtcgtcg tcggcactgt tcccatggaa aggagttcct 300
cgccgtacac ctacagagtc tgaagtcgcg tgatgtgttt gtgtaacata aaggctccac 360
tggtgacatc gtggactaag gataatc 387

<210> 26251

<211> 409

<212> DNA

<213> Glycine max

<400> 26251

tgtagataac actgcggctg taacattcaa tgttgactct tttccaacct ccgtcacct 60
tggtgtccaa attcctttga tctctaagta catcagtcaa tacacgttcc atttccaaat 120
tccatgtaaa ataacttctt gtttctcat tattttttcc taaaactttt cttttgtccg 180
tcattttttc attagatgac tccattgaag ttaatgtcac ttattcaacc tgcacataac 240
tagtagatat gacctacttt attcatttga ctagtccact tcacaatcat agaaaatatt 300
tcaagcaaag tttttatgca atagcaaagt acgtaaaagt ctatcttcaa tagaaaagta 360
caatagaaac aaagcacaca aagtttgtcg gcaataacaa attacattt 409

<210> 26252

<211> 407

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26252

agctttgtgt aatcgattac tatgatttgg taatcgatta ccagtgataa gttttgaata 60
aaaattaaaa gatgtaactc ttccaaaggt tttcaagttt ttctaaaggt tataactctt 120
ctaattggttt tcttgaccag acatgaagag tctataaaaag caagacctta acttgcattc 180

<210> 26255
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26255

actcaagtgg atgtaccctc cactagaact gatccacaag acatgtattc tctcttgttt 60
 tcagtcaaac ccaagtagat gtaccctcta cttgtaccac aaatgatgta ccctccaatg 120
 tgttgagaca aagatctcag gctgttaaac ctttgatact ttgtgaatag ggatacaaaa 180
 gaattctcag gcgattaaac ctttgaacgc tnttgatta nggaatggga agaatacaaaa 240
 gaattctcag actgtgtcgt gttgaattct ttgataaggg agaagggaga cacaaaagaa 300
 ttcaggcggt tagtccttcc ttcttttggg aaagagagaa gagagacaca naaagaattc 360
 aggcggttag tccttgcaa attctttttg caaagggaga agagaatgaa aagatgaata 420
 acacaagctt tcaagttt 438

<210> 26256
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26256

agcttgtttc tactcttagt tcaactacta aactagacag cacaggcttg gtgagcagtc 60
 tcgctaagcc caattctaag aaatttataa acagaggcat aatagcgctt agcatgacat 120
 gcatgcttag cgcccaacaa aaacacaaaa atcctaagtg tctaatacac aatactcgct 180
 tagcgcatag ctgcgcttcg cgagttcaac ggataactga acagaaaaga tgaacgtgct 240
 tagagagaca gatgggctta tcgcgttcat ctagaaatcc aaaatcttta acagaaacga 300
 tgaactcgct tagcgagca aggcctcttag tgcgttcatc gcgattntca gaaaaataag 360
 ggcttctcac ccttctcat atgccccta 389

<210> 26257
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26257

ttcaagataa gaccaaactc ccttccaaaa tctgatttat tgctaaatat gtgactttgt 60
 ttgtgcttgc gcgcttagcg caactctgaa cgccttaacg cgcattagtg aatttcggct 120
 tagcgcgtagc ttttctcgct cagcggtatgg actgaagtgg tgcgcttagc gggatgaacc 180
 ttcgctcagc gaacatgcat agctcactct tcttccagat tcttctcgt gcttagccga 240
 ggaatgttgc gctcagcgga tggcttgcta tgccagtaga ttggcttagc gagcgtgtga 300
 aaatcagcac ttcacaaact ctcctaatta acctaaaatt gagagaaaat gattattaaa 360
 cacacaaaat ggaagtacta agcatttatt acctatcttt aacaaanagt aattacaaca 420
 ctacaa 426

<210> 26258
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 26258
 agctttcttt taatgctca cgtctaaaac caagtctgat ggtagtgcga gcctttgatg 60
 gtagtcggcg ggaggtgatg ggagaaatcg acatccctat tcagataggc cccacactt 120
 gcaatgtggt ttttcaagtg atggacataa atccgccta tagctgcctt ttggggagac 180
 cctggattca cgcgctatga gtggtcccat cgacacttca ccaaaaattg aaatccgcgg 240
 tgggtggact cttggtgata gtgtcaggcg aagaagatat attggtgagc tgcccctct 300
 ccgtgccata tgtagaagca gcggaggaat cattggaaac aactttccaa tccttcgagg 360
 tggtagattg tgcctttgtg gaaatgagtc cgttcctacc ttg 403

<210> 26259
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 26259
 gcaacatcag accacttcca ggggtgctgga actacttttt tggatttggt ggggcctatg 60
 caagttgaaa gccttggagg aaagaggatg gcctatgttg ttgtggatga tttctccaga 120

tttacctgag taaactttat cagagagaaa tcagaaacct ttgaagtatt caaagagttg 180
 agtctaagac ttcaaagaga gaaagactgt gtcacaaaga gaatcaggag tgaccatggc 240
 agagaatttg aaaacagcag gttcactgaa ttctgcacat ctgaaggcat cactcatgag 300
 ttctctgcag ccattacacc tcaacagaat gggatagttg agaggaaaaa caggaccttg 360
 caagaggctg ctcggtcat gcttcatgcc aaagaacttc cctataatct ctgggctgaa 420
 gccat 425

<210> 26260
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 26260

agcttttgta caattaattt tcagtcacaa gtaataattg agttcgcag acaccatgtg 60
 attcgagaaa ctaaaaattt tagaaatatt cgcttcaaat cacaatttat ttccattaag 120
 cacagttgaa taaaaacata aattatgcaa gcaattacac acgcaattct aaattcgaac 180
 tgtgaattta accagcaatt ctattaatta tttgaattca tctttagtcc ttttaaaata 240
 taaaaacatt ttcgtttcaa atggcaaaaa tttcatctaa tctaataata catctaaaaa 300
 atgaaaggaa aaaagataaa gaaaaaaaac tgacctcgtg gagagagatc tcatatcaat 360
 tgaagaatat ataaactaat taagcaagat ctatgcaatc tactaat 407

<210> 26261
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26261

tactcaagct tgaccctgct ctgctgcgga gtgggagaat ggatatgtat atcttcatgt 60
 gttactgttc ctttcccgcg ctgaagattc tgctgaagaa ttacttgggg tgtgaagagt 120
 gtgagcttga ggagtccatt ttgaagcggc tggaggaggt tgctgcacgtg gcccgatga 180
 ctccggcgga tataagcgag gttttgatca agaacagacg caagagagag aatgcggtgg 240
 aggagttgtt ggagactntg aagctgagag cggagatgaa tgaaaaaat ggagttctga 300
 ggggtgaataa tgggggtgaa gaggaggaag agcaagagaa gagggcttta gacagtgaga 360

gtcctaagca tgagtcagag attgaggaca attgcaagga ggaggaggaa gaagaagaga 420
agacaagtag tatatagtga cgaatgat 448

<210> 26262
<211> 279
<212> DNA
<213> Glycine max

<400> 26262

agctttatta cattcatcat caattgagac attgatgtca ccatctactg cactcttate 60
aagcttgttt gatccgtcgt ctacaatttg tgagattgtc attctgaagg catcgcttct 120
cctagaattt gatcttacct gcaagtttga cccagggatc cttgcctcat tgctgtacat 180
tgagaaaaag atgagactac agggcatagg gcacattctc atgcgagact gaacagctaa 240
tacttgotcc tgtccatcca cattctggga tgaatgggc 279

<210> 26263
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26263

tccatcacac ctttccttaa natgtgtgct nggttcaatt ccataatcng aggaaaagaa 60
attttgattg gcaatacttt agcagcctat catagagatg aatgactcac gcatacttat 120
gttgtgcatg gcaaagcaa ttatgggatt gacatgagat gccttangaa ccaccatttt 180
cctagttaac cacgttcaca tgattttcaa tcattttatc tttctctctc ttttttttag 240
gagagatggg tgtataatac caacaagggt ggtctatagc cattatcatg gtaccaaca 300
catgtaacta agaatgtggc gtaaaccctc attcttcatt gggactgtct ttncgtcttt 360
ttttctgttt ntggtattta tatttttttt gggccccccc tta 403

<210> 26264
<211> 408
<212> DNA
<213> Glycine max

<400> 26264

catgtctgct tcttgacatt attcttttgg aattgttcaa gttcttcttg catggctttt 60
 acccaacttt gtgtagaagc aaagcttcat gatgaatcaa gattgattca aagatgtttg 120
 atgataacaa aatgatgac aaaggtgatg acaaagagct caaaggtcaa tcaaagaatg 180
 agttcaagat gttcaagata gaatcaagag cacttcatga ttcaagagga aatttgattt 240
 caagaatcaa gaatcaagat tcaaggatca agcttccaag aatcaagatc aagattcatg 300
 aatcaagaga agacttaatc aagattagta tgacaaggct ttatcaaaaa ctgagtggca 360
 catggatttt tctcaaaaca tgtttaccaag agagatttta ctctctgg 408

<210> 26265
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26265

ntgacttgag ttatcaagag attatatata tgtggccatg acatgtattt caagaatcaa 60
 taatctgtct ttcaatcttt tctcatcatc attcaatata tttcaactct ttctacacaa 120
 ttctctgatt catttctctt catctttcta aaagtttttg ttcaacactt tctcttccga 180
 gaaaagttct ttgttcaaaa acttgagcta ttcattctttt tcattctctt cttcctttgc 240
 caaaagaacg aaggactaac tgctgaatt cttttgtgtc tctcttctcc cttacaaaag 300
 attcaaagga ctaacagcct gagaattctt ttgattattc ccttccccctt aagcaaaaaga 360
 tttcaaagga ctaaccacct gagatatctt t 391

<210> 26266
 <211> 394
 <212> DNA
 <213> Glycine max
 <400> 26266

tttcttcttt gctgaagggtg gcaaacaccg cgagatgggc atgctaggcc ttgaaggtag 60
 ccgagctgat gatatgggtt aaatcgtgct ccctatacta aggcgcaccc acacttgcaa 120
 agtgatggat aaagccatgc tcatgcttac cttcttttac tgcctttttg ggccaccacc 180
 tattctcgcg ctacgtctgg cctcatcaac actttactta aacacgaaac acgcattcgc 240
 tggagtcatg gctataatgc accgcgaaga ctacctatcg gtgttccgat gactatcatc 300

gccttatgca caatccaagg acgccatcct ggaacgaatt tgcagccgaa aggctgtgag 360
atgacctcta tgcggtgact acgctgcttg ctgc 394

<210> 26267
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26267

ctgtgtaatc gattacactg atttggttat cgantaccat tggnetgttc tgaataaatc 60
aaaagatgta actcttccaa tgggttttga ctttttcaaa atggtttttaa ggtttttctaa 120
aaggtataac tcttcaaaat ggggtctcttg acccgacatg aagaagctat aaaagccagg 180
ctttcgtttg gatttttaat caatctttct aagcaatctt tctatcaatt catctcaatc 240
atttctttca atcatctttc attattttct ttcattctctt tcaacagntg gtctgtttca 300
tcttctcttc atctttctaa aaagttttgt tcaaaacttt ctcttccaag aacagttctt 360
ttgtcaaaga catgtgctat tcattctttt caattccctt ctctt 405

<210> 26268
<211> 398
<212> DNA
<213> Glycine max

<400> 26268

agctttgaac tctagaactt aaatagtccc caagatttat attcttcaat acttgccctg 60
aagacaattg atgttgaaca aaaattaatg gagtgaatt tcattgaataa agtagtagtt 120
caaaaaaaga aggatcatat taaaagagta aaagaagaag agaaaaacac agaaaatgga 180
catacttcca aaccaatatt taaaagaac caacctccat tcttacaaca ccaagaaata 240
tattgcaaac aatatatgcc tttctcgttt tcggtaacca aaccaaattc ttatagcaat 300
aagctcaatt ttaaaaatga tatattttca agagagtaag caaaaaaag aaagattcat 360
ggcaagttca tatctatcaa ggcataacaa tctcaaca 398

<210> 26269
<211> 416
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26269

tgngcatagc aatgagaaa aatgagtgc aaatgtgata ataaggatcc atttctaggg 60
taaattgggt gttgagaggt caaattttga ataggtggag atttcacctt aaaaccagtt 120
tgagcaagtc taaatcaatg ttatagactt gatgaagata agagttaacc cctaaattac 180
ccaattttta ttttcacctt tcaaaccttg agaattcact aaaattgatg ggttttgaat 240
acctatattt tgatttacct tgggttgatg tttgtctttg ttttgaacat gatgtagaca 300
tggcttacga cttgtaggat ccaatttgag tgaaattgga tacaagcaag ctagaattca 360
aaatctgcta cattatgcag aanaatgttg ttaaattgtg cagcacattt tgcccta 416

<210> 26270

<211> 396

<212> DNA

<213> Glycine max

<400> 26270

ttcttctttt agtatgcccg agacattcat cccatgaga tgctgttgaa gtattggcga 60
tcagaattgc cattccttgg attatagggg tgaaccaagc tcatgctttt acaaaaaggt 120
tcatcaagtc aagttgaaat atggaagtaa ccgtcttgca aaattggggc ataagatgaa 180
tcgagtcaca tcaactgttc gtatactgcc aaacatattt atgattattg atgtccttga 240
tacttccagt gtcaccttga caaagatgac atggaccatg ttgaaaatct aaattgattc 300
aaccatcatat cttgcgtaaa aattcgcaat acttcaactg tacatcattc tcatgcatcc 360
atgcttttca ttggatgcaa tgctacgtgc attctt 396

<210> 26271

<211> 388

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26271

ntgtgtgaaa ggatatgact cttcactttt aaatntgatt tccaacgttc aaacacactg 60
gtaatcgatt accaaatcat tgtaatcgat tacaatattt tgaaatcaat tggaacgttg 120

taaattcagt tgaaagcttt ttgaaaacca ttttgctact ggtaatcgat tacaataatc 180
 tggtaattga ttactagaga gtaaagactc tttggtaaaa ggttttgaga aaaattcatg 240
 tgctactcag tttttgaaat tgttttttaa tacttatctt gattgagcct tctcttgatt 300
 cttgaatctt gagtcttgaa tcttgatctt gattcttgga acttgaatct tgaaacttga 360
 ttcttgaaat caaatttcct tttgaacc 388

<210> 26272
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 26272

tctagctttc accagatcat ataagataaa tgcattcatg caatctgcag atatatcctc 60
 ccaaacgtca aattctccgc ctatatattc aacctttcca tctactggcac gtggagtga 120
 tcttctcca tgggtgaata ctaaagttat attgtcattc attctacaca atcagaaaacc 180
 gcaaacatgg tcagatatta ggaaataaaa aaacctacct caaaaagcgc gaagacattg 240
 acattgtcaa aaaccgcgaa gacacaatca aaaacaaaa acattgtcat ctataagaac 300
 agagcatcat aaacgaaaat aataaacgat cataaacctc cctacgaagc gcgaagacta 360
 tgccacagat gaaaccctc gacatgtaaa c 391

<210> 26273
 <211> 347
 <212> DNA
 <213> Glycine max

<400> 26273

gatgcagatt tgtgtgaaac cgtgtttact gtaatgttgt gtatgatcac acaaccttta 60
 tttagtaatg actaaatata ataatgagta ataatgacta aatcactaat tactatctaa 120
 tcataataac agagtaatat gtaatcttaa cactccccct caagctcgag catatatgtc 180
 ttatgaattg agcttgttac aaatgtggtc aaccaatag aaactaaagg cagttcgggt 240
 tgtgtgggtg ccccgataa acatggctca gcggtagcca acaaaggctt gcagtgcga 300
 tagagaatca tgtaacgctc accggagatg tgtcaagcgt catgtgc 347

<210> 26274

<211> 391
 <212> DNA
 <213> Glycine max

<400> 26274

tctagctttg tatgcgaaat aatcgggtgg aatcatgaaa acaggagact cccatacaac 60
 cttaccttag tagttaatat tgatgcgatt cagttcatgc tctatttggc attgaattca 120
 catttacaca ataaacacat tctaattatg ctatatttat attacttcca aaagctagtg 180
 ggcatagttc gagtattgga caacaatagt ggtagtactc taaatagtaa gtagttatca 240
 gtacactata cactattgaa aagtttagtg agtcttgct actacctctt cattgaactt 300
 gacttattgc ttgctccacc tcgttatata gtccaaaaag tcaaccctac catacaaatt 360
 tttattgtag tcatgacaac tttccataca c 391

<210> 26275
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 26275

ttagcttctc aaggaagttt tctcagagaa ttttctctta taaggcctct caagacagct 60
 tctcaaggaa gtcacctagt ctataaatag aagcatgtgt aacacttggt gtaactttga 120
 tgaatgagag tcttgtgtga cacaactcaa agttcaactt ctctcccttt ttcttccttc 180
 aatttcatgc tccccctctc tctttctctc cctattttctt ttctccatt gaagcatcct 240
 ctccatgctt cttgtgcaag gtcacatctg gtggtgaagc tccttcttcc atggcttatt 300
 ccctagtggg tgacgcctcc tctcacttat tctactttgt ctccgctgc atctccatgg 360
 cggaatatca ccatt 375

<210> 26276
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 26276

agctttttgg tgattttcgc tgcaagaac tattttttgc tgcattctct ctgagacttt 60
 gctcatgctt cataggaccg accaaaactt cgctctaata gatgccgaga acaaaatata 120

tgtgggtgaa caaaaaacat tgactttgta gcatgtatgc ggttttgtat aactgaaatt 180
 gggccttctc ttgcacacaa aacatataga cactcatgcc attgtgctgc taaaagagc 240
 atagacgctg catcattgtg aataccataa aaaatcagat acaggtactc catgcttccc 300
 tttcgacctg actatgaatt attacataga atggcactag aatctaattg tgttaatgac 360
 ggatggcggg tcatggcgg 379

<210> 26277
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26277

taaactcgaa ccaacttgag ctatcattcc tcanaaattt aaaactaaac ttgaacctat 60
 gtttnggcta ggngnaccag ctccaaacca aggttcattg ttatttgaat tcataaaaaa 120
 gttccattaa ttatatgaac aaaaaataca ttacaattgt aataaatagc tagaattatc 180
 tacgtaattc aatcagtcac attccctcca catgatcaca tgtagtagc aagtgcacta 240
 gtataaacag gcctctaact tttaagggtta atagcttaat aagttaattc ctattaagct 300
 gaaaaatttt gttcaactca gcttatcaag aataatattt ttgaagattt tatcggttta 360
 aaacatacag aatttgttct atagttctgt agaggattaa tgacactaat aagtacattt 420
 aaaggcaatt agataat 437

<210> 26278
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 26278

agcttttacc ttatcgtctc tcacaggctt tagatttggg agccaatcca atccttgtgt 60
 teggactctc agccacttat gatagccgcc gatgatcca ttactgggtt cctaagctc 120
 tctgtgcttt cttcatgccg catcccatgc cttgcgaact ccttggagta ccctcgcggg 180
 gtggtcactt aaaccccgag cgatgaaagg cgtgatgctt tcgtctgatg gcacatctct 240
 catggggtag ccaagctgtc ttatggcaag gaccagatta taattaatac aagcccttgt 300
 tgccatctag agaacatttg gacatgcttc gcatgaagat aaaatgctga gtcttccttc 360

cttctagcga gggaaccaat tagcagacgc cctccatgc tagc

404

<210> 26279
<211> 297
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26279

tgccctcaagg aggtccagga aggacaaggc ggccgaagta ctagntcctt tcctgagtat 60
gacagacacc gctntaagag cgctgtacac cagcagcgct tcgaggccat catgggatgg 120
tcatttctcc gggagcgacg cgttcaactc aaggatgacg aggatactga tttccaagag 180
gagataggtc gccggcggtg ggcactcactg gttacccccca tggccaagtt cgatccagaa 240
gtagtccttg agttttatgc caatgcttg ccaacagagg agggcgtgcg tgacatg 297

<210> 26280
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26280

agcttgctta atttggattt ctngagcga gaagttgacc ttggaagtac ttgtcaatgc 60
gactgtacca tgctctcagt gcttgattta gtccataaaa agccttcttt agcttgagaa 120
ctttgtcttc ttctaatttc acctttaatc ccaacggttg ttcgatgtac acttcttcca 180
cgaggactcc attcacgaag gtagacttca cgtccatttg atgaattctc cactagtgtt 240
gagttgcaag agagattatt actacgatgg tctccaggcg agcgaccaga gcaaacacct 300
caacataatt gataattgtg aaatttgagt taatttgata gtcaattatg gctaagaatg 360
attggaattt ctttacttta tcgtttattt aataaaataa ta 402

<210> 26281
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26281

tactcacgct tgtaagagct tggtcacttc ctttntcacc acatctagta tgacgnggtt 60
tagtcgtttc tgtggctacc tcaactggctt agctgcatcc tctaaaagta tcctatgcat 120
gcaggtagat gggctaatac caggaatgtc tgctaaagtc catccaatgg ccttcttgtg 180
cttcttgagc accggcaaca acttctcttc ttgctcaaca tcaagggaag cagagatgat 240
cactggaaat ttgatgcaat cctacccgcg aagggcattg gatagaagac tccaagtaga 300
ttgggccaga gatccaaggg aaggccctag ggttctcatg agccttaagg tagattntga 360
gcccattggc taagtatgag cccgcttacc tttgtaatta ttagaatagg ttttttcctt 420
cgtttaggcc ttgtatt 437

<210> 26282
<211> 403
<212> DNA
<213> Glycine max

<400> 26282

agctttatgg tttttctagc attcgacggg agtcgtcggg aggtgatggg ggagatttat 60
ctcccagtcc agataggacc ccacacttgt caggtcacct ttcaagtgat ggatataaac 120
cccgtataca actgcttatt ggaccgacca tggatccact cgataggagt agtaccctcg 180
aggcttcacc aaaaattgaa attcatggta gaggggcttt tggatcatcat ttcgggagag 240
gaggaccttc ttgtaagttg tcttctctgt atgccctatg tcgaagtaac ggaggaatct 300
ctggaaatga ccttccaatc cttcgagggtg gtaagtaatg ccttcgtaga atccctcctg 360
acgtgtcctc acatgtccaa cagacaatc atgggtggctc aca 403

<210> 26283
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26283

ttatttaagc cgttctcttg ttttaataatt tataaaatga ttttcaaccg atcatttgtg 60
ttgcaatctc gtttaatcac tgttaaaata aaatccaacc gatcgtttgt actgtaacct 120
cagttaaatc aaaaaactgt aaaataatga taaaataatc aaaatatctt tgaaaaaata 180
ataataaaat aataaaaaaa tcaattagac attttacttt gaaagtttcc tttaaatgag 240

ttgataataa ccaagtgaaa ctaaggctaa aatcaactca caaaccaagc ttgcccgcga 300
 aaaatcactt gaagttgttt taagggtccaa caccttanac gatcacgaag aactacatag 360
 gtctgagttc ctcacgcgaa ttgaggatac gtangagcaa agtcccgttt ttgtggac 418

<210> 26284
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 26284

agctttcaac ttatgagctt ttacaaacaa ggggtgttctc gctttcaagt gtgtgctgag 60
 aaaaatcaga gagacaaaag gtgtagctta gtgagagaga gagagttagt aataaaatat 120
 agtagtaaat aattttaaaa agttgctttt gcatgcgtgt ggaataaaat aaagcaagaa 180
 aaatagaaaa ttctgatact gttgttaggt gatatttatg cttggcggct cacgttttat 240
 tccgacctta tggatatact aaattttagg gaaaccataa ggttggttta atgtggtaat 300
 tattcttgga gattaatgtg tattatgggc ttttatatta tagctacaac tttctataaa 360
 tattaagtg ctattcgtat ctccttcttt acttatagca cctttt 406

<210> 26285
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 26285

gagcattttc caaaaaggag aacacgcggg agtcgccacc aacaattatt cgagggaaaa 60
 tgtagaaaa accaaaagaa ggtttgcgaa tttcaaaaat gaggggtcga gagttgttta 120
 cgcaggggaa aggtattagc accccatgtg ctcgtcacia aggacgacag ccatcaatcg 180
 agtgtgcaaa aaatgtgact tcaatattat ttatttttcc cttttcatat ttatttttta 240
 tttttttggg gttgacaaaag gggtcgccct ggctcctacg taccctcagg tgcgatgaag 300
 aattcagacc tacgtagttc tttaagtctg aatgttt 337

<210> 26286
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 26286

tcaagtgttt ttaatgcatg tgaaattaca aaactaccca taatacaaaa aactagtcaa 60
agtgccttta aatacaaggg ctaaaaaatc ctacattact aaggatcct tctacacta 120
tgagagcacta aatacaagac cctaaaataa tgaaattcta atctaataatg tacaagata 180
agtgggctca tacttagccc atgggcccac aatctaccct aaggctcatg agaaccctat 240
ggccttctct tgcattctctg gcacaatctt cttggagtct tctatccaat gcccttgggg 300
ggataggatt gcatcactag gggaaatctc aaatcaaaaa gtgtcatgct tactatctat 360
caaagaaatc atatggtatg gcatacaaat ct 392

<210> 26287

<211> 427

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26287

tcagctttta tttcctctnt tctctntctt tttcactcct actcttttct tcatcattat 60
tcttttcaac tttatctttt tctctttttt ctttgtcttt tctacctct atttctcttt 120
cttggctctt taattctttc ttttcgacca ttatttgttt tccctcctct gactcattac 180
atctgttacc tcattcttct ttttaacagt agtgtccttc aaagcaactt gtccttcaa 240
agcaacaaca tcttcactct gagccgccac aagcttctct cttcttgctg caacaacttt 300
acactcttct ttgggattct tctcagtatt ttcccaaag caattggatg acttctcagc 360
taactgctta accaantgac ccacttgaat ctcaagggtt ttttaaggctg actcagtact 420
cttatgg 427

<210> 26288

<211> 342

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26288

tcagctttct tgatatgctg ctatagagat tggatctttg agcttcactt agggccttca 60
ctggatgatc ctatccatgg actggcatca gccgattact gataacaata gagaggatgc 120

gccatctact atggaatatg ccatggaatg agaaacttct ccaccaccat agcgccttgg 180
 atacttagcc tacagacgaa gcttcgctgg atgactataa tgagggacac agatagagtg 240
 aaagaggcat ggcagattga tggaagaaca agaaatataa tgaactctga cgcgtgtctc 300
 actctactct tattcaacac agncctgaca tgagttacac at 342

<210> 26289
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26289

tgcgaggatt gatgngacc cgggtgttata gaaacgatta tatgttctac gtgggagtag 60
 gtgagctcac ttggaggtgg gcaacagggg atgggggggtt tatgcgcgat ttgtggatgt 120
 ggaaaacttg ttgtgcacca tcgcccagacc gccacctagt accacatgtg atgggtaccc 180
 cataatccta caagcttgag atgaggaagt gtanaaagggt gaaacttcct gcttttattc 240
 ggtgaccaca aagtggtagc tggagatatg tcgcgngggt caacagacct tggtagcgtc 300
 aggtggagtg ctattgccc aaaccaaact tgaccaatcc cgacccaacc tcggcatagt 360
 cagtcagtga gaatctgtga tgcacctaaa c 391

<210> 26290
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26290

agcttggttn taagtttggg gtatagtttt atagttatag acgaaacaaa atttagagaa 60
 tacttttagtg tccaacccaa aaagattcag aatctgtaag acaatttttc aatttcgtgt 120
 gtttaattat ggcctttaag taagaagctc aattcatcta atagaaaaag taagcaaatt 180
 gagccatcta aaacaatgcg aatggtgcaa gaagctgccc aattctacca agttgttaca 240
 cgcgtgagag gacttactga tcagaccttg attgagtaat gtttaagcat taacaacgac 300
 aacaaaataa gaattgtgat acatatcgat gttatatcac actacacgta ctgtctactt 360
 tccacaggag aaaagtctgc atatgagata tataa 395

<210> 26291
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26291

aacatttgct atttatcatt ttgcattcatt cntccaagag attgcaattc atttaatatg 60
 gtttagaagt gtccaaacat gctttgcatg tcttcttcat cctctatagt aaagagttca 120
 tacttattgc ttttgtgtgc ttttctagag ccattatgga gccctaaata caaccaccaa 180
 atataatgac atcctactct agagccattc taggtttctc tttgagtcct agctngcttt 240
 tgtgtgcttt tcattgcttt aattggtgaa taatccttga aaatttgctt tgttgaaaact 300
 ctattggctt agctntcact tcattntttt tgtctttggt tattgcttgt ctctnntgtt 360
 ccttgcttgt gagttgccat atagggaa 388

<210> 26292
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 26292

agctttatca gttttgatca agatggatca tgaagttggg ggaatctctt gctgcaccag 60
 aagagctttc aagtttaaac tgaaatagtt ctttcttctt cctgagcttc tttgctctta 120
 tgttttggcc ttttggatat tatgattgag atatcatcag gttgctgagt ttttctatgg 180
 ttgcaaacct ttctgccaag tgatggtagg atgaattgga tcaatcacga aaacaaaagt 240
 aaacaaaaaa atatattgga ctattggagt aattacaaat gctagcaaca catcctttga 300
 cacatctttt tgaacactct actactggct gaaatttatt gaaattcact caaattgtgg 360
 tgagtgccac ttatcatata atgaatttct ctc 393

<210> 26293
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 26293

tgtaggatta tgggggtaccc atcacatgtg gtactagtgt ggcgggtttgg cgatgggtgca 60
 caacaagttt ttccacatcc acaatgcgcg cataaaccca ccatcccttg tagcccacct 120
 ccaactgagc tcacgtactc ccacgtagcc catatcctcg tttgtctcaa caccgggtcc 180
 ccatcaatcc tcccaagctt ccccaacatc aaagtaatac aacattcaaa cagtacaaac 240
 tatcacagcc aagaaaacag agcagaggca gaaaactctg ccataacacc aaccgaaatc 300
 acagcttttc tcaactaaag accccagtaa caattccttc ggtccaattc gttaaccgtt 360
 ggatcgactc caaattctta ctggaagact ct 392

<210> 26294
 <211> 215
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 26294

agcttctgac gattggangn gacggcaccc acttgcattt gaaacccaac gtgcagatac 60
 actggtaata gaccacgaat atattgaagt cgattacaca attcacaaag cattaggaac 120
 gctgcatatg cagataaaaag cggttgaaat caaactatac gactggtaat gagttatatg 180
 taattgagtg tgcattacca agatagaaat actct 215

<210> 26295
 <211> 289
 <212> DNA
 <213> Glycine max

 <400> 26295

tctaacgcag cggactcacc gaggattggt tccatggttt ttccttttga gcctggaaac 60
 cctacccttg caacgaagct cactacgcac cttaagtga caaccatgat atcacctat 120
 gcttactgaa taaaggagct taggaattgt cttaggaaga aggctgtggg ggcgcgcttt 180
 cattgaacaa ctaggataga ggcgctgctt cacgatgaaa atcgggccat acctgatgac 240
 attgcatatt ggtaaattgc ggacatgctg attgaaaagg tggacctca 289

<210> 26296
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 26296

agcttgatg gttaaagtct cactgattgtc atgtgctcat gcaacaattg ttagccatgg 60
ctatacgaga catcttgcca aacaaagtca ggtagcgat aactcgctg tgtttttct 120
tccatgctat atgtagcaaa gtcattgatc cagtcattgt tgatgagttg gaaaatgagg 180
cggcaattat atttgccaa ttggagatgt attttcccc tgctttcttt gacataatga 240
ttcacttgat tgtgcatctg gtcagagaaa tcaaattgtg tggctctgtt tatctacgg 300
ggatgtaccc ggttgagcga tacatgaaga tcttaaaagg gtatatcgtc cagaagcatc 360
tattgttgag aggtacattg caga 384

<210> 26297

<211> 378

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26297

ntgcataccc caaggatcct ttaagaaatt acttggtgta tagagccatg aggggtgggct 60
catgggccac tttggaatag acaagaccct tgtcttactc aaagaaaagt tttattggcc 120
ccatatgaag aaagatgtcc ataagcattg cactaggtgt gtggcttggt tacaagccaa 180
gtctagggtg atgcctcatg ggctatacac acccttacc ccccatctg caccttgggt 240
agacattagt atggactttg tcttgggct tcttagaacc caaagaggtg tagactctat 300
ctttgtggtg gtggataggt ttagcaagat ggcacacttt atatccatgc cacaggtgga 360
tgatgcttcc cacatctc 378

<210> 26298

<211> 177

<212> DNA

<213> Glycine max

<400> 26298

agctttgttt tatcgattac atgtttcacc gacaagtttt gaataaaaaat caaaagatgt 60
aactcttcca atggttctca gattttctta aggtcataac tcttccaatg gttttcttga 120
ccagacatga agagtctata aaagcaagac cttgactcgc atttaaaaca accatta 177

<210> 26299
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 26299

tcaaccaagt ggagatgggt catttcaagt gcttgaatta ttcaatgaca atgcttataa 60
 agttgagctg cccggtgagt ataattgttag ttccaccttc aatgtctctg atttatctct 120
 ttttgatgca gatggagaat ccgatttgag gacaaatcct tctcaagagg gagagaatga 180
 tgaggacatg accaagagca agggcaagga tccagttgaa ggacttggag gacctatgac 240
 aagggaaga gcaaggaaag ccaaggaagc tcttcaacaa gtgctggcca tactatttga 300
 atacaagccc aagtttcaag gacaaaagtc caagggtgtg agttgtatca tggcccaaata 360
 ggaggaggac taaatgacac cactttgttt caatt 395

<210> 26300
 <211> 468
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26300

ntgagcttga tcttcaaggc attgcagctc tggcccggga tctcttgagc cgacgctgct 60
 gcatgcaagc ttgcggcttt cggactgttc tgtccaagag atacgacggg gatgtggact 120
 cgcacgactg atgacgatgg gattgccaga catcttgact agcataccct agtatgcaa 180
 actaaaccga gcatgtactt catgctgttt gcgacgaaga cagtgggtcca cacatgcttg 240
 atacgctgga tgttgaaggc ggtaatttag tgagccatth ggcaacgcgg ttacttctg 300
 cggatttgca cacggactga cctgaaagct gctaagatca tcaagatcca aagactgcgg 360
 ccgggctaca ttctgcgtta cgaactgcgg gcaacgatat atcagcatga cacaatgggc 420
 atgtgtgacc agtgtatata tggttctgag catcactgac agacatat 468

<210> 26301
 <211> 487
 <212> DNA
 <213> Glycine max

<400> 26301

gcccccgacg ccattgaccc atgatgatcg cgttgctatc gtagactcaa ccttgatcat 60
 atcgaccgga agattctcac ccattgaggg ttgggcacga ttttagagt atcgtaagag 120
 agggcggcgt tctgcgtccc atccgagtga gactcaagct agccgcttgc acataaatgt 180
 atgcatgact cggtatgtcc aaactacccc atcatatgga tctatgttga acaagttatc 240
 tatcatcacc ttataagatg atgcgaccat accttgccact cccataggaa ctccgatcgg 300
 aacatgcatt actatccgct cctgattgct tctttgagga actctgatct gagatgatta 360
 ttctgcaggc ggagagttgg atatgaacat gtatctgccg tgacaactta attgctctgc 420
 accttaggat aggtctctat gagctgcgct ctctgtatac tagactagac tacatagcca 480
 aatgcgg 487

<210> 26302
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 26302
 agctttagg attatggggg acccgccata tgaggaacta tgtggcgatc gggcgatgg 60
 ataaatcatc tctccacatc cacaaatcac acatgaatcc actatcctca gttgccacc 120
 ttcaactgag ctacagtact cccacgtagc ccttatectc gttactctca gcaccgggtc 180
 cccatcaatc cctccaagct ttcacaacat ccaagcaatt caaaatccaa acatcatgaa 240
 ctatccaaaa tctagaaaac agggcgaggg caaagaactc tgcccaaaac acattccaat 300
 accacaactt tctctactca aataccaggt aacattttct ttgtccgctt cgtaaccggt 360
 gatcgac 367

<210> 26303
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26303
 cttgacgctg gagctgaccc atcaactgcc gtaactatct tccaaagngt ttacaaccc 60
 agcgcggaag acaactccga catctatcat ggggtggaatg gatgaatgca tgatgaaatg 120

catatgacac agatgcattt atgaatatgg gagcccgga aattgtccct ttcttagata 180
cagcattcgg gtggcatggc gcctgacaca tgcattcaag aaggcgacac ggaccctacg 240
ttggtttgac aaagtgaggg gatcaagacg ctatccgtgc atgatgcaga tgcgaaaggc 300
acaacacggt gatgcacata gtacgacaat atccacaagt tattataagc aaaggcgtag 360
atgacattta tgactacatg catggcagtg ttcaaatgg cacac 405

<210> 26304
<211> 608
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26304

tagcacagct cttgctaagc tctatcaagt nattctgtac nctacanagn gagcgtagtg 60
ttgagaactc gatcatatgt tatctgagat cttatatagg cacataggca ctggatgatct 120
gccttctcgg agtgagacat ctacagtagt atactcgttc gatgtgtgcc acatatgatg 180
acttctctat tgagagtgtg caactctgat agcacgcact actgtacatt acgctactac 240
taacantgag tcnaccgaac ctctatcgta catgtcgtca tgttgtagat aaaacaatca 300
ccgtctacct gcaacagatc accgctcatc agtatatacg ccaccagtga tngccagcnc 360
aagttagtaa tgtntctgtc gttggaactg gtcactctgcg tctncaactg cgtctcttan 420
gtccaacata cgacttatcc aactcctatt gcttgtaggt accccagcac tctagaacgt 480
cttctctaaa gaagacacgc cacctgtcgt ctactcatcc atatgtgttc tcgccacctt 540
cgctgatgag ccnactata tcataccact tgtcatacgg cgtcgtgcaa acttctaagt 600
tacttccg 608

<210> 26305
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26305

gccaagagcc atgaccctgt gaaccttgaa cgcgacaccc cncatgatca gcttatcggg 60
gcaccagtc cagttatgcc gcattgcaa tatgaaacac cccagctcga gcggcaccta 120

gggaaaaccc tcaaggattc ccaacttaaa caacgcata ctgtctatca tctttagaaa 180
 aacccaaatt cattcaagag atatgttgtc ataactcaca atcaaatact gctcttgaca 240
 ggatcagatt ctaacacccat cagagaatcc atgtctctaaa ctcacctatg tgacggtaac 300
 tctaataaga gctcaccatc gagcatgcta aacgcccctt gcgcagaata ctccaattac 360
 ccaacaaaca catatctttt tttatctata aaaatccaac accaagacat tctacacgtc 420
 tacagccttg accatgcact aaccacatgt acg 453

<210> 26306
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26306

agctttaaaag cttttctcag tactaaaaat cctaactata catacaaatg ggtgatcaag 60
 ccacaaacat gcaaaaatga gcatagatag aagcaatgaa cacataaaaa taacattaaa 120
 tagatagtaa gataatttta tatcaaaggt tcagcagaac tccccaatca agaggtttag 180
 cttccatta caagtaatga gctttcaata caaaggccag attttgaggg aagaaaatgg 240
 ctaaggaggg ttgaggatgt ctcttcaac ctctagaacc ctaatctcac tcttcccacc 300
 tagactctct tgggtggcttc gtgtttgtcg ctctagcttc tcccttggtc ctgttnttcg 360
 actcctctct tagtttccac caacttcagt gttttaa 398

<210> 26307
 <211> 347
 <212> DNA
 <213> Glycine max

<400> 26307

cacattcttg gtgaagaagc tctatattta tggcttatta cctagtggat ggtagcctcc 60
 actctcctct tcttcttatg cctttcgctg catctactgg agacaaatca ctatagaagg 120
 acctcattgc ttctcacaga tccagctctc catataagct ccacatgcta gcctccatcc 180
 ctggcgctca agacgatttg acctgtgaag atcttcaaga atttcaacta actttagtaa 240
 gtcgttatat atgatcggat acacattata atgggtaata agactagcta catactgtaa 300
 ctatcatatc atacactcaa tttgatatta ctgaatcacc tgatttcg 347

<210> 26308
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 26308

agctttccct tatgggatgg accttctagg ttttgaagag gatcaataac aatgcctata 60
 ggttggacct ccaagaagag tatggagtca gcaccacttt taacatttcc gatttaattc 120
 cttttgcagg tggagctgat attgaggcgg aggaactaac agatttgagg tcaaatectc 180
 ttcaaggggg aggggatgat gcaatcctcc ctatgaaggg accagtcact agagccatga 240
 gcaagaggct ccaagaggat tgggctagag ctgctgaaga aggccctatg gttctcatga 300
 accttagggg agatttcttc atgctttaca tgtttcatga cacctatgca cacttagtgg 360
 agaatcttgg acttgatctt ggattagtgg gctgaaccat at 402

<210> 26309
 <211> 346
 <212> DNA
 <213> Glycine max

<400> 26309

cttctcgata tatacgtacc agattcggac atccgagagt tatgacctga ataatcgaat 60
 tacaccagag cttccattgc tcaatttggg gagactagat gagttatgta cgcgaaatctg 120
 acatccgcgt gaaaagacag gaccattgcg ctttcacgag agcttgcatg gttcaagggc 180
 gagcgtctag atgagtcatg cacgcgactc gggcattcgt gggaaaagcc atgaccattc 240
 aactatatcg acagctgccg ttgtgcaaac gcgagcatct cgatatatta tgttccccac 300
 ttcagaggtc cgagtgaaaa gcaatgacca ttctaaagat cgagag 346

<210> 26310
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 26310

tcaagctttg taaccacact ccttagaaag aattacctac atatgagaca atgcatacct 60
 attaaggatg agacatacca tgatgaaact aattatttct tctctattgg atctaaacat 120

gagatatgcc ataaaatggt atacaacata tttaaaggta agaaaggaat gagagtagag 180
gagttaaaga cctatagtaa aataacaata aaaaagaaag atataataaa caagttaaat 240
gatcatgatt actcacccaa acgatagtga ccttcttaca tggtcactt tcgcctctac 300
ctttatctat cattaatata agtgaataca atatcttctt gttgataaca tggaaaagaa 360
aatatgacat tagatttgac tagtcatgtt ggacagtga 399

<210> 26311
<211> 423
<212> DNA
<213> Glycine max

<400> 26311

tgaagaatg cagacaatct ggggttgtct gtagagaatt actttgttgc tatgagatta 60
ccttctctat gctcttcta tgttataaa tgaatcaagc agcctcaaga tgtcaagaag 120
taaagtgtgt tgactgagaa ttacataaac aggttgggct tgggtgcctt gtatgttgtt 180
ttgagcttcc tagttggggg cctaaccctt ttgaacacca aagggaactt gatcttggag 240
ttgtggaact gcttgggtgt ctcccttttg caaagtttag ctgggatggt ggcagttttg 300
atgatctgga tgcattggaga cctgactcta tgacgagatg ccatttcgtt gtacatgtgt 360
tcaacagcgc cgttttagagt agtatcgga tattccttgt acatgttgtg ataaccagtt 420
cgg 423

<210> 26312
<211> 397
<212> DNA
<213> Glycine max

<400> 26312

agctttaagt gtgttgattg aaaatataga gtgaagaaga gaggttaagat tatttaattc 60
ttctcatgga gaagatgggg gatatgaaga aaatgaggga ggatggagga atgagaggta 120
taaggagaga agaaatcata gaagatatgg aggtagacaa agagatgaag agattgagga 180
agtgaagggt aagataccta cttttaaaagg gacttgtgat ccagaagtgt atcttgagt 240
ggagataaag tttgagcaag tctttgcttg ctacaactac aatgaagaaa aaaaagatca 300
aattggcctc cctggagttt gaggtgttgg atcgagtggc ctcagaataa ttaagaaggg 360

gggttgaact aattatccct aaacctttac taattaa

397

<210> 26313
<211> 410
<212> DNA
<213> Glycine max

<400> 26313

tcatgcttaa ctatgtatgg caaaacttca ttactgttgt tcaagacata caagtgaagt 60
tgtaacaaat cttctacact cggagtgate acctgcagtc ctctagaact ataatcaccc 120
actctgtcat cataccgaga cttacgaagc ccaacagggt tagccttctc taagtattct 180
gaacaaaatt caatggcttc ttctgcaatg tacctctcaa caataaatgc ttctagacga 240
tatagattct ttctataccc ttttaagatc ttcatgtatc gctcaaccgg gtacatccac 300
cgtagataaa caggaccaca acatttgatt tctctgacca ggtgcacaat caagtgaatc 360
atgatgtcaa agaaagcacg gggaaaatac atcttcaact ggcacagtat 410

<210> 26314
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26314

tcagctttat ggctgttgac ctaatccata catttttttaa tattatgctc tttttattct 60
cttttgatat actttgtgct ntaacgactt gaattcaata tgattttgtt tatcaattat 120
ttttggattt gtacattact tatacgaaat ttataagtt tcttttttta gttagtattt 180
cactaggttt taaaataatt aattaatcaa agacgtcttt aagcaagctn ttaaatatgc 240
tcgtgggcca agccagactt ttatgtaagc cgagccgagt ctttaaaaaa agcctatgat 300
aggtaatgag ccaagctcaa gccttacgta ttcaactcaa gctgagctca agcttagtaa 360
agcttggttt ggcttgctca tttcac 386

<210> 26315
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26315

ntacatggag ctacatcagt tcacacatta taggtcaatg accaaaaaga aataatcatt 60
caagctcaaa gtgggtcaact aggggaaaac ttatcaaagg attcacaagt cttaagaaag 120
cctatcaagg tctcttcttt tcagacaatt cagaattcat tcaaggatat gtatgtcaaa 180
acagagaata gaatactgct attgaaagga tcaattctca cacaataaga gaatcaaggc 240
tcagaactca cctatctgag ggtaactcta agaatagttc acaatcatgc atgctaattgt 300
ccccccccga agaaaactcc aattacccaa taaacacatt acttttttta tcaataaaat 360
tctaaacca agacattntc acagtactag aaccagaaca atgcaagaga tcacatata 419

<210> 26316
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26316

agcttggttg ttgttcttac ccattgaaga tcgaagatcg atgaataacg aatgaagaac 60
gtccataaac ggtcgacacc ttgcgaaat tcttcacgaa aaacggttac gaaacgtttc 120
ggaagcgctt ctgcttatat tttcttcacg gaaacaattt ttccaagcaa attcgataga 180
gagagaagtg cctaattgggc tgaacccctt ccttcttcat ttctctccct atntatagca 240
aaatatggga ggtggttgcc gccagctcg cccagcgag ctcagctcg ccagacgagc 300
caggttgctt tccccagaag caacagcctt ctggaggaat attctggagg gcccaagtgg 360
gtctgggtgc tatatgcacc cccattttta ct 392

<210> 26317
<211> 155
<212> DNA
<213> Glycine max

<400> 26317

tagaagacat tcaaattggc ataacttttt ccccgcatth atcatttatg aggaaggcga 60
ggactacacg ctcgataccc aacaccaaga cctctccaga aaaacacatt gtccgaagga 120
ttgacacggt tggttctaacc atacgcaaca catat 155

<210> 26318
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 26318

tcaagcttta tcttggtgaa aaggctaata aatcaatgaa ggtgggtaga cattgtcaga 60
 ctagatcatg aacaagctat gtaaggacta tcagacaata caaactccta gcctgtgaag 120
 gttcagaacc caagtctaata tcatccataa caattcacac atatttgagg tgttatacct 180
 ccaagctata ttgcaacaga caatttaaca actattaatt gctttttacc ctcaaata 240
 caatgtatat tccttattta ttaagaagtt caatcatatg cgataagaca taaaaaatac 300
 tataatcata tcctttctgt aaggactgag agcctataaa tagacatact tacgagatat 360
 caatacaacc tatataagaa tgatattg 388

<210> 26319
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 26319

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 caaactgaaa tagttttact acaacaatag ctatttataa agacactttt ctattgatgt 180
 gtcacacatg attggatgat agtataaaaa ctatgaaagt aaatcaaagc taaactcgat 240
 aagtttcacg tgattcttga agggattttt ctaaatggct acacgtgtat agtatagttt 300
 tagtcacaaa aataaatgac tctttgcatt tactgcacat ttttacataa aattcattta 360
 attgctatga aatcttttta aaatgggatg gtttattgtc aatgttttta aggtgcctat 420
 ggtcattatt g 431

<210> 26320
 <211> 170
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26320

gtattctctc cttacgcac tgtgcgcat ttcacaccgc atatggagca ctctcagtac 60
aatctgctct gatgccgcag aggtaaacca gccacgacac ccgacaacac ccgctgacgc 120
gaaccccttg cggtcgcata caatattact ctagataaag aaggccatan 170

<210> 26321
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26321

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ttccatattg tttgttccac catgaagccc cctgatgtcc aagaagatca tatctttctt 180
aaagggtttt cctcattctc tggagggagt ggcaaaagat tggctctact accttgctcc 240
cagatccatt ttcagttggg atgaccttaa gaggggtgttc ttggagaaat tcttccctgc 300
atctatgacc actaccatca ganaagacat ttcatgcac angcaactta gtggagaaag 360
cttgatgag tactgggaaa gattcaag 388

<210> 26322
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26322

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ntttttcacc caaaacttat cccctcact caagaacgca gcaccgtgg gattgagggt 120
ctttctctga ccctaagcca ccattttgtg ctttctgctt ccattgtaga gtccttgatc 180
actccataca actaagtaca ttattctttg gtccttaact tttcgctgat gtatttttat 240
gctctaaatt gtacatattt ggcgaatttc gtgacgcaat ttgtgacaaa ttcagctttc 300
gattcattga attggggggc tgtacgggat ggccttatgc ctatggtgtg ttctgaaatg 360
attgggc 367

<210> 26323
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 26323

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 gtacctcttc ccagtccaat cctgaaagtc actgctcaga tcaacctcat gactgttcca 180
 atgatgctac ttgtcttgat caaaatgtaa aggataatac tgattcagat cagcgaaggc 240
 atgagtctcc tgctgctgat cagagtgtctg gtaataatth atgcatgat gctgcaaadc 300
 atgttaatag tagtgcata ggaagcatgg acagtggaaa tgatggacat gctacttcag 360
 ctatagtatc caagaacacc tcagatgggt tcagtgatag tg 402

<210> 26324
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26324

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 caatctgatt ggattcagct atctcactca taatccatcc aatctgaaga caaagaatta 120
 tcagaattac gcctgttttg taacatattg gattgggtccg aattgtcaga gttatacccg 180
 aaccggaccc atcctcaacc ctaggttata aatattaaga accgtattaa tattgatttg 240
 atttgtatgt aatgcaaata gtccatgttt tcacataaaa caaaaggtaa aactcaaatt 300
 atggctttca atttaagtta agaacgtact ttaattntga aaattcta at gcacattgaa 360
 acatatacac gatataagat gcatttagat ttttaaatta tatgtataac atctcttttc 420
 taaaagtaaa 430

<210> 26325
 <211> 238
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26325